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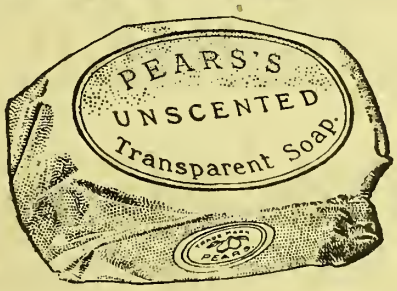

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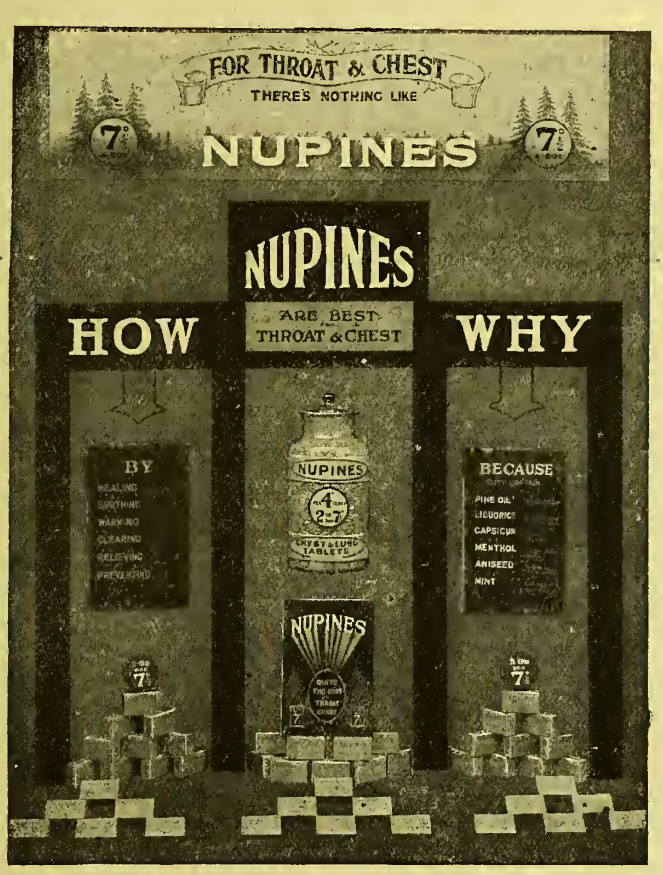

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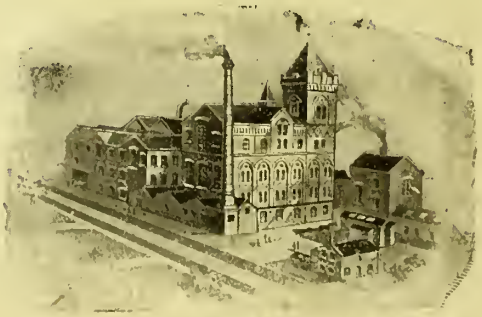
"John  Bull"
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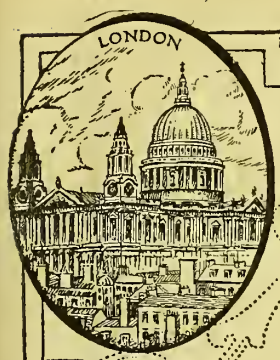

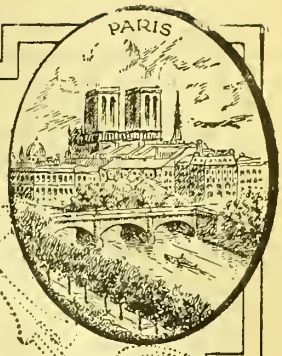

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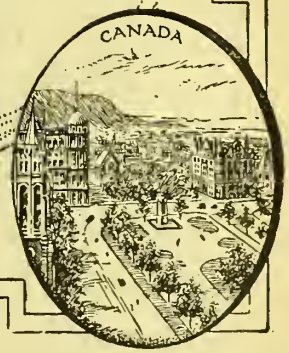

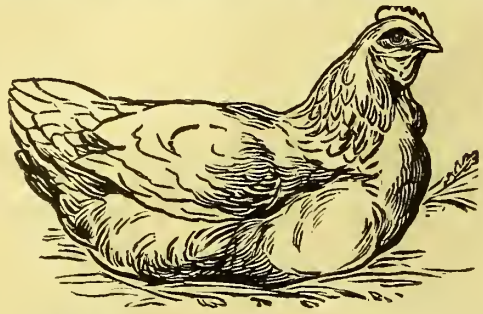

Egg Preserving.

PREPARE FOR - -
SEASON'S DEMAND!

WE pack only the finest quality Water Glass, and give best value and service.

We shall be obliged if our regular customers will write early, so that we can arrange for special advertising, etc., and to any chemist we have not yet supplied we shall be pleased to send full particulars.

TOMLINSON & HAYWARD, LIMITED, LINCOLN.

Proprietors of
TOMLINSON'S DAIRY HELPS.
LUDDINGTON'S OILS and VETERINARY PREPARATIONS.
HAYWARD'S PAINT STICKS, for branding Sheep, &c.

WHOLESALE ONLY

We Specialise in the Manufacture of

GLASS STOPPERED BOTTLES

for

Perfumes, Chemicals, Spirits, etc.

Stoppering Guaranteed.
Prompt Delivery.

MOULDS for Special Shapes made at these Works.

Samples and Prices on Application.

John Dowell & Sons (Glass Bottle Manufacturers) Ltd.,

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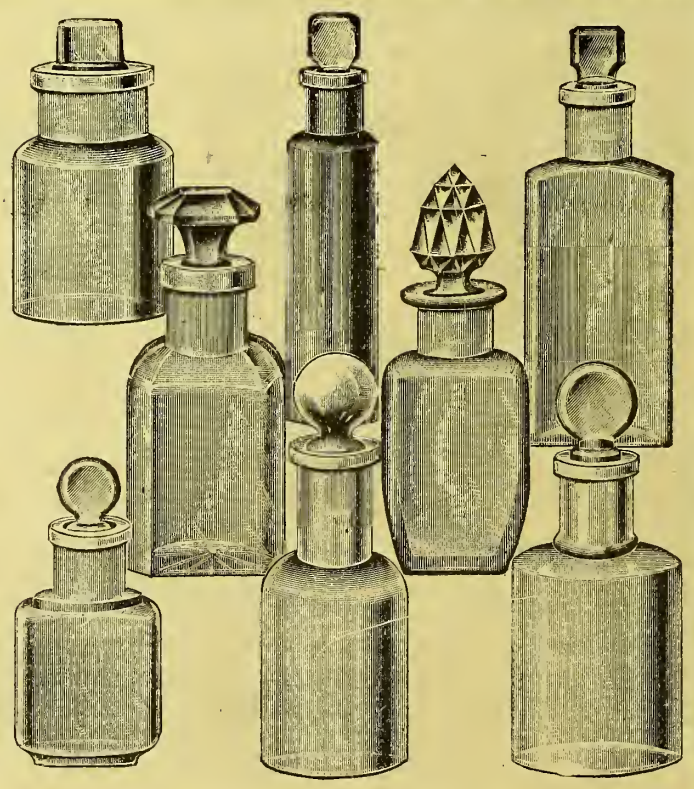
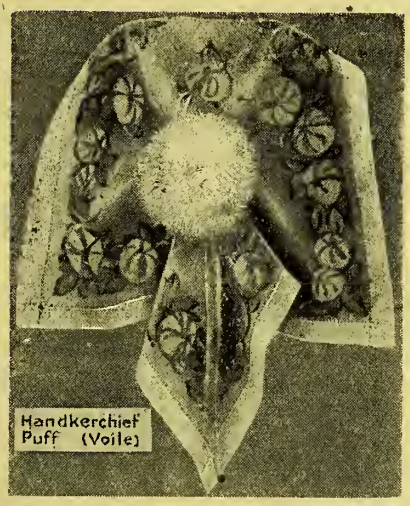
Tel. No.: Dalston 2219.
Tel. Add.: "Acetized, Hack, London."



Maw's Page

January 15, 1921

No. 483



Powder Puffs

A Line which brings New Profits

PRACTICALLY every lady customer who enters your shop is a potential buyer of Powder Puffs.

Powder Puffs make a brilliant display in your shop window or showcase, and they sell with the utmost ease. They are obviously a toilet line, and therefore well within the province of the chemist.

There was a time when the sale of Powder Puffs was confined to drapers and fancy goods dealers, but the introduction of the now famous Maw's Series of Dainty Powder Puffs has helped the chemist to secure a large proportion of this profitable business for himself.

To-day, the chemist has at his disposal a series of puffs which are unsurpassed for infinite variety and exquisite taste. Maw's Dainty Puffs provide the opportunity of giving added distinction to the appearance of your premises, and putting bigger profits into your till.

Send for Full Particulars and Prices.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

S. Maw, Son & Sons, Ltd., London, England.

TRADE MARK

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

THE VERY CHEAPEST, SIMPLEST & MOST EFFECTIVE IN THE WORLD IS

STROPS BOTH SIDES AT ONCE!

—THAT'S THE SECRET.

NOTICE TO THE TRADE.

Last month we spent over **£1000** in advertising; this month we are spending considerably more. Orders are pouring in from every part of the country, and our organisation is such that we can cope with any demand.

We offer you every selling assistance, advertising, goods that fulfil our advertising claims, Unique Display Tablets and Liberal Trade Discounts.

HAVE YOU YET PLACED YOUR ORDER?

DISPLAY TABLET.

Obtainable from your own Wholesaler:

PRICE

3/6

Or from

The Rapid Steel Co. Ltd.

(Dept. C.D.)

25 Shaftesbury Av., LONDON, W.1.

TRADE PAMPHLETS.

WHY IS "SANITAS" 2/6 PER BOTTLE?

Answer: **To reflect the increased costs of production.**

In September 1920, in answer to a demand by the Profiteering Act Central Committee, the "Sanitas" Company, through their Accountants, presented a statement proving that whereas in July 1914 the profit per case of 2 dozen large bottles represented 21% on cost, the selling price in July 1920 showed a loss of 1/1 per case.

Under date October 13, 1920, the Complaints Committee decided that

"The prices charged by the 'Sanitas' Company were, in view of all the circumstances, not unreasonable!!"

The **W** *Brand of Hand-Moulded*

Bottles & Medical Glassware

Free from dangerous "frosted glass."

Finest Quality Dispensing Bottles, Poisons, Cheltenhams, Chest Squares, Shop Rounds, and Bottles for Proprietary articles, in various colours. Feeding Bottles and Sterilizing Milk Bottles in Heat - Resistant Glass.

Wholesale only—

WOOD BROS. GLASS CO., LIMITED,

(Established 1828). *BARNSLEY, ENGLAND.*

TETLOW'S SWANDOWN FACE POWDER

WE have great pleasure in informing the Trade that from this date we are able to reduce the wholesale price to **96/-** per gross, as formerly.

The **Retail** price will remain at **1/3** per box until the 7th February, in order to give the Trade an opportunity of clearing stock on hand. From the 7th February the Retail price will be **1/-** per box P.A.T.A.

We are very pleased to be able to announce this reduction, which has been made possible owing to the completion of the Henry Tetlow Company's new Factory, and the installation of the most up-to-date machinery, necessitated by the continually increasing demand for Swandown Face Powder in all parts of the world.

HENRY C. QUELCH & CO.

4 & 5 LUDGATE SQUARE, LUDGATE HILL, LONDON, E.C.4.

Telegrams: "Quelch, Cent, London."
Telephone: Central 2056.

AYRTON'S WEEKLY PAGE 15

Ayrton's Winter Cream

Specially recommended for chapped hands, cracked lips, and all roughness and redness of the skin caused by exposure to wind or frost.

Prepared with Quince Mucilage with which is incorporated suitable healing emollients. It is delicately perfumed, and its freedom from stickiness or grease makes it an ideal preparation for ladies' use.

Packed in actinic green panelled bottles 2oz. nominal capacity, attractively labelled and finished.

Retail, per bottle **1/-** Wholesale, per dozen **8/-**

SHOWCARDS SUPPLIED WITH ALL ORDERS ON REQUEST.

Write for copy of booklet "For Milady's Table," and Price List of Ayrton Toilet Articles and Household Remedies.

London Agents for

Ayrton Toilet Articles and Household Remedies

J. C. GAMBLES & CO.
49 FARRINGDON STREET
LONDON, E.C. 4

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **LIVERPOOL**

POTTER & MOORE'S

FROZEN LAVENDER WATER

Potter & Moore's world-famous 1749 Lavender Water in Stick Form.

FRAGRANT AND REFRESHING.

Protected P.A.T.A. Prices.

Wholesale **28/-** per doz. Retail **3/6** each.

Bonus terms on application.

BUISSON FRÈRES'

FROZEN EAU DE COLOGNE

Buisson Frères' Fragrant Eau de Cologne in Stick Form.

Popular with Motorists; invaluable in the Ballroom; a boon to Invalids.

Particulars on Application.

Sole Proprietors— **W. J. BUSH & CO., LTD.,**
ASH GROVE, HACKNEY, E. 8.

"For Perfumery of Distinction"

The Spirit-Economy of "DISTOL" Ottos

BY the use of a percentage of water in the preparation of "Distol" perfumery, a great saving of S.V.R. can be effected without sacrificing quality. The maximum varies with individual "Distols," but ranges from 20% up to 50% of the total diluant. Further, "Distol" perfumes are so quickly made that there is no need to lock up capital in big stocks of S.V.R.

"Distol" Ottos cost only 7/6 per oz., making 80 oz. of choice perfume. 34 Varieties.
Write for samples of any six odours.

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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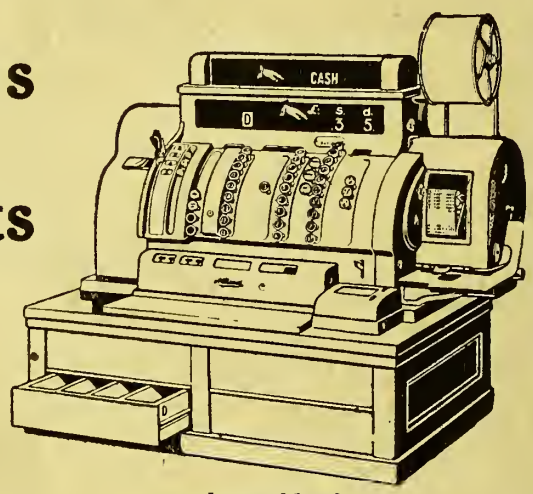
Better Business
and
Bigger Net Profits

could be enjoyed by many Chemists if they used improved shop methods that would increase economy and protection and attract new trade



Latest Model
NATIONAL CASH REGISTER.

An up-to-date

NATIONAL CASH REGISTER

is the best asset a modern Chemist can have.

It classifies and adds all transactions. Separately totals each assistant's takings. Stops disputes, mistakes and losses. Instantly provides important private information giving proprietor complete control.

Enforces maximum protection on the takings. Effectively advertises the business. Pleases customers and attracts new ones. Simplifies the handling of the business, with less worry, work and expense.

Ask your friend who is a user what he thinks of his "National."

Extracts from recent letters from Chemists

A. & H. BAILEY, Pharmacists, 64 High Street, Highgate, N.

"It saved the money we paid for it within the first year. We consider it an indispensablity to the proper conduct of our business."

THOMAS HORNE, Dispensing & Family Chemist, The Cross, Paisley.

TWENTY YEARS A USER.

"I consider it a great asset to any business. I would not now be without one on any consideration, and I can highly recommend anyone in business to invest in one at once."

JOSEPH PRICE, Dispensing Chemist, 225 Great Cheetham Street, Higher Broughton.

"We are more than convinced that "NATIONALS" are a necessity to be successful, they benefit everybody by doing all you claim for them."

Write for our Special Booklet for Chemists.

The National Cash Register Co., Ltd.
225 Tottenham Court Rd., London, W.1.

Branch Offices in all large Towns.

CGCo Ltd TRADE MARK

MAKE SURE OF YOUR SUPPLIES of

UNIVERSAL EMBROCATION

—The EMBROCATION with a REPUTATION.

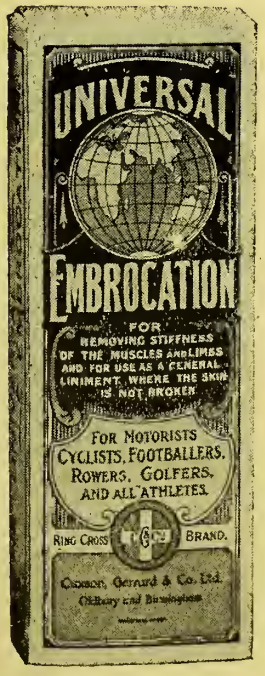
A permanent Egg Emulsion of Turpentine, Acetic Acid and Methyl Salicylate.

E 640. 4-oz. bottles, per doz. **8/6**

E 642. 4-oz. bottles, in cartons, as illustrated „ **10/3**

In bulk, **11/-** per gallon.

Gross quantities printed with customer's name.



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LIMITED

OLDBURY, near Birmingham

Export and Colonial Inquiries Invited

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All-British Agency Co.,
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ANETHOL
EUGENOL
GERANIOL
CITRONELLOL
ISO-EUGENOL
AND
THYMOL

SAMPLES AND PRICES TO ALL WHOLESALE BUYERS.

ESTABLISHED 1833.

STAFFORD ALLEN & SONS, LTD.

COWPER STREET, FINSBURY, LONDON, E.C.2.

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TERPENELESS OILS

BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniperberry
Lavender
Lemon
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Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CINNAMIC ALDEHYDE
GERANIOL
CITRAL
EUCALYPTOL

SICILIAN

LEMON - BERGAMOT
ORANGE - MANDARINE.

SPINELLI

The Oils that have a Long Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1.

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Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

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MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
CINNAMON BARK OIL
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Sole Agent for Europe—

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and 29 Corporation Street, MANCHESTER.

INSECT FLOWERS

(Japanese Best Quality).

1919 Crop was only 50 % of that of 1918, and present prices are 400 % higher than 1918. 1920 crop to be harvested May-June is estimated 20 % below that of 1919. If demand continues as at present, the present unprecedently high price will be exceeded.

We have shipped hundreds of tons with unanimous satisfaction to our customers.

Cable us your inquiries.

We are an all British-American firm, specialising in business that ensures satisfaction.

The Mutual Traders,

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KOBE, JAPAN.

Cable Address—"Simsland." [7]

Buy from the Actual Distillers.

EUCALYPTUS

B.P. & U.S.P. OILS 60/65% 70% 75/80%

EUCALYPTUS AMYGDALINA

EUCALYPTUS CITRIODORA

EUCALYPTOL (CINEOL)

We will quote you C.I.F. afloat or ex London Stocks.

GILLARD GORDON, LTD.

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ROSE & CO.

Brillantine-Chlorophyll

THE ONLY COMBINATION.

Write for SAMPLES and QUOTATIONS.

HAARLEM - HOLLAND.

Warwick Smith & Co.

3 Cross Lane, Eastcheap, LONDON, E.C. 3.

Direct Importers of Finest Qualities of

COCHINEAL

FROM THE CANARIES

Stocks held in London of

BLACK GREY and SILVER

Telegrams— "A'garve, Bilgate, London."

Telephone— Avenue, 5077.

— PURE —

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OTTO DE ROSE

Guaranteed by —

F & A. Swanzy Limited.
West Africa House Kingsway,

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED--ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

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Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

CHEMICAL WORKS FLORA, Ltd.

DUBENDORF, ZURICH,

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Essbro Base & Fixative 39

Recommended for Rose Compositions. Good binding fixative, bringing out powerfully and evenly the fragrance of the perfume.

Essbro Base & Fixative 103

Serves for all perfumes imitating the character of a new type.

Essbro Base & Fixative 112

Useful for Lilac and Lily Compositions. A good fixer.

Essbro Base 102

Serves a a base for all exquisite compositions.

Essbro Base 209

Is a robust and permanent blend, particularly useful for high-class perfumes of an intense quality.

Essbro Base & Fixative 208

The same description applies to this as to 209.

Essbro Base 210

Base of such well-known types as Jockey Club, etc. Great yield and good fixer.

Essbro Base 485

Harmonises ingredients in combination. Serves as base for fine Musk Perfumes, capable of producing strong and enduring aromas.

Essbro Base 135

Of a novel character. This powerful product is suitable for fine perfumes, cosmetics, toilet powders, &c. Recommended for Chypre Compositions.

We have just placed on the market a new series of Flower Oils, etc., as follows—

ESSBRO BOUVARD A 389 — For all Perfumes of a refreshing character.
ESSBRO CARNATION 273 — The odour of the White Carnation.
ESSBRO CARNATION 125 — The odour of the Pink Carnation.
ESSBRO CYCLAMEN 206 — For Lilac and Lily compositions.
ESSBRO HELIOTROPE 107 — Absolutely true to nature.
ESSBRO HELIOTROPE 517 — A cheaper grade.
ESSBRO HONEYSUCKLE 514 — Exact reproduction of the flower.
ESSBRO HONEYSUCKLE 511 — A cheaper product.
ESSBRO JASMIN FLOWERS 492 — Replaces advantageously the natural concrete Jasmin.
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ESSBRO LIME TREE 136 — Very true to nature.
ESSBRO LIME TREE 516 — Exact reproduction of the Lime of Central Europe
ESSBRO MARGUERITE 97 — Can also be used for tobacco.
ESSBRO MUGUET 27 — A cheap grade, but good.
ESSBRO MUGUET 85 — A true perfume, especially in freshness.
ESSBRO MUGUET 454 — Giving a different note.
ESSBRO ORCHIDEE 14 — Gives the heavy odour of the Orchid.
ESSBRO ROSE ORIENTAL 104 — A standard quality at a moderate price.
ESSBRO ROSE 93 — Gives the distinctive odour of the Pale Rose.
ESSBRO ROSE 127 — True odour of the Deep Red Rose.
ESSBRO ROSE 258 — Giving a different note.
ESSBRO ROSE MARECHAL NIEL 3 — A fresh and characteristic odour.
ESSBRO ROSE 120 — Replaces the Bulgarian Otto.
ESSBRO SWEET PEA 538 — A delightful perfume.
ESSBRO VIOLET 411
ESSBRO VIOLET 502
ESSBRO VIOLET 506
— Products of rare odour, natural and true; they yield exceptionally well.
ESSBRO WALLFLOWER 10 — Gives a sweet and robust odour.
ESSBRO WALLFLOWER 560 — The perfume of the yellow variety.

Samples, Prices and Full Particulars from our Sole Agents.

CHAS. ZIMMERMANN & CO. (Chemicals) LTD.

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Manchester: City 1516

Manager Essential Oil Dept.: Wilfrid V. Guenigault.

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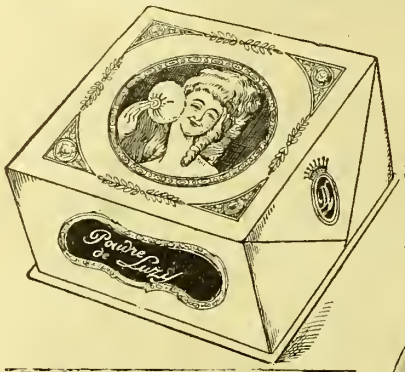
POUDRE DE LUZY

THE BEST AND MOST BEAUTIFULLY PRESENTED FRENCH FACE POWDER.

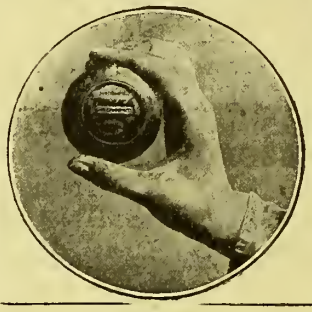


10½d. 1/9 3/6
RETAIL.
Less 33⅓%.

SHOWCARDS AND FREE SAMPLES WITH ALL ORDERS.

BEAVERPUFS.

The popular leather and fur puffs, that sold so rapidly last year that advertising was withdrawn.



NUPUFFS.

We hold important stocks to-day.
BEAVERPUFS, brown fur.
NUPUFFS, white fur,
4/6 retail ; 36/- dozen.
In ½-dozen display boxes.

W. H. CALNAN & CO., Ltd., 30-32 Ludgate Hill, E.C. 4.

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small ...	**28/- doz.** ...	**3/6**
Medium ...	**48/-** „ ...	**6/-**
Large ...	**168/-** „ ...	**21/-**

Usual Trade Terms.

PRODUCT OF
The EVAN-WILLIAMS Co., Ltd.
18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

DODGE & OLCOTT CO., 20 MARK LANE, **LONDON, E.C. 3.**

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."

REDUCED PRICES.

Toilet and Medicinal Preparations packed in Collapsible Tubes.

TOILET PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Cold Cream	2/8	4/-	5/9	doz.
Glycerine & Honey Jelly... ...	2/10	4/4	6/2	„
Oatmeal Cream	3/1	5/-	7/-	„
Shaving Cream	—	9/-	—	„
Toilet Lanoline	2/8	4/-	5/9	„
Solid Brilliantine	2/10	4/4	6/2	„
Vanishing Cream...	2/8	4/-	5/9	„

MEDICINAL PREPARATIONS.

	½ oz	1 oz.	2 oz.	
Blue Ointment	5/2	8/9	15/9	doz.
Boracic „	2/10	4/4	6/2	„
Calomel „	4/10	8/-	14/-	„
Capsicum „	3/2	4/10	7/-	„
Sulphur „	4/-	6/2	10/6	„
Zinc „	3/10	5/6	9/3	„
Borated Petroleum Jelly	3/2	4/10	7/-	„
Capsicum „ „	3/4	5/-	7/8	„
Carbolized „ „	3/2	4/10	7/-	„
White Vaseline	3/4	5/-	7/8	„
Yellow Vaseline	3/2	4/10	7/-	„

Customer's name FREE on 3 dozen of any one preparation.

BONUS.—With an order for 2 gross assorted Preparations, we will give a bonus of 1 dozen 1-oz. tubes of any Toilet Preparation.

Telephone : HOP 4170 (2 lines).

WILLIAM TOOGOOD LTD
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LONDON, S.E.1.

Telegrams : "TOOGOOD, BOROH, LONDON."

START THE NEW YEAR ON FRESH LINES

SPUN OINTMENTS
In new series of Decorated Tins.
Write for Quotations.

"NUXOCOL" LIQUID SHAMPOO (COCOA NUT O.L)
12/- doz. Sells 1/9
Showcard.

"NUXOCOL" SHAMPOO POWDER (COCOA NUT OIL)
24/- gross Sells at 4d.

BRILLIANTINE
New Series.

FRO-ZOF
An entirely new preparation for Corns.
Showcard.

JABORANDI OIL
For the Hair
New Brilliantine Hair Grower
Price 11/- doz. Sells at 1/9
Packed in Show Outers of 6.

Poudre Charme de Riz
An entirely new line, most profitable to handle.
3 sizes: 4½d. 1/- and 2/-
Cost: 36/- gr. 78/- gr. 144/- gr.

COLD CREAM
New design label.
In octagonal pots.
Beautifully packed. Fine Seller.

We pack everything necessary to a Chemist's Business.

ROBERT BLACKIE, Wholesale Manufacturing Chemist,
Shen Works, Tower Bridge Road London, S.E. 1

'RECAMIER' Toilet Productions.

ACKNOWLEDGED TO BE UNIQUE

Chemists can recommend them with confidence, and they carry a good profit.

Enquiries Invited.

PRICES:

Crème Recamier, 1/6, 3/- and 5/6
Savon Recamier, 1/3 tab., 3/6 3-tabs.
Crème de la Harem, 1/3, 2/6 and 4/6
Special Face Powder, 1/6 and 2/6

We will supply Chemists with a Few Samples and Counter Literature Gratis.

Recamier Toilet Products Co.
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FRANCIS NEWBERY & SONS LTD

COMPLETE RANGE OF
Packed Pharmaceuticals,
Toilet Preparations,
"Own Name" Packed Goods.

SUNDRIES—
Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY & Sons, Ltd.
LONDON & CARDIFF.

THERE is now a great demand for Cocoanut Oil Shampoos—WE HAVE PROVED IT. And the demand is increasing daily—our travellers' Order Sheets prove that also.

We started off with our special line of Violiv Cocoanut Oil Shampoo confident that it was a winner. Why? Because it had been carefully compounded —tested — then re-tested— until we had a product worthy of a place on our list of wares.

We did not stop at that. We prepared a "dressing" for this shampoo that would be attractive and arresting. We evolved ideas for window cards and counter displays to complete the cycle of publicity — all interesting factors to make your task of salesmanship as easy as possible.

We know something of selling the goods, too, and we depend on your co-operation to complete the chain of salesmanship. Therefore we have worked out our selling plans to make this a most profitable proposition to handle. Violiv Cocoanut Oil Shampoo retails at 3d. per packet, and yields a profit to you of 120%.

Violiv

Cocoanut Oil Shampoo

"Imparts sheen, shine and lustre to the hair."

Is worthy of a leading place on your counters. It will sell easily — it will "repeat" just as easily—and is certain to be a big all-the-year-round profit-maker for you.

TRADE TERMS on Violiv Cocoanut Oil Shampoo.

11/- per dozen cartons.

7 packets in Carton.

7½% cash with order. 2½% 14 days
5 gross subject to 2½% discount.
10 „ „ „ 5% „
20 „ „ „ 7½% „
50 „ „ „ 10% „

Advertising Matter free on application.

Send your FIRST ORDER TO-DAY—and also ask for New Price List of Violiv Products. You will see some other very attractive propositions equally guaranteed in merit, quality, and profit.

Sole Agents:

PATTINSON & MACKIE Ltd.

ALBION HOUSE, 59 NEW OXFORD STREET, LONDON, W.C.1

Manufactured by THE VIOLIV MANUFACTURING CO., LTD., in the City of Edinburgh.

V41

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

We solicit your enquiries and orders for the following, the sale of which we have made a speciality:

MANICURE REQUISITES - -
NAIL POLISHERS - - - -
PERFUME LABELS "Le Relief" Paris
FAVEUR RIBBONS- - - -
MIGNONETTE PUFFS - - -

These goods are of French Manufacture and unbeatable for quality & finish.

DRUGGIST SUNDRIES, etc.

COMPACT POWDER, VANISHING CREAM AND SKIN FOOD, PERFUMERY

In Bulk or packed ready for Export.

We are actual manufacturers or ***Direct Importers.***

Prices of all foreign goods are based on the actual exchange rate.

We give our customers the benefit of keen buying, and as a result ***our prices are 15 to 20 % below any of our competitors ! ! ! ! ! !***

Samples and Detailed Price Lists are sent upon request to WHOLESALERS and SHIPPERS ONLY

Note our address in the U.K.:

J. R. BOURLAT, GOES & CO.
(Incorporating W. A. J. Sharples),
Manufacturing Chemists & Perfumers' Sundriesmen, Merchants and Manufacturers,
21 Clarendon Road, Holland Park, LONDON, W. 11.
Phone: PARK 2592. Tel. and Cables: "Bouriatgoes, Park 2592, London" (3 words). A Z & A B C Codes used.
Laboratories: 4 Beatrice Road, Stroud Green, N.4.
LONDON. PARIS. BRUXELLES.

BUYERS OF GOOD

TOILET GOODS

INTERESTED IN HIGHEST QUALITY & GOOD PRICES

SHOULD MAKE A POINT OF VISITING

STAND No. H. 26

AT THE

BRITISH INDUSTRIES FAIR.

C. A. STOKES & CO., Ltd.

"Eclipsol" Works, BRISTOL.

A Chemist's £1000 Advertisement to Benefit YOU!

Extracted from

"The Daily Mirror"

Monday, December 20, 1920.

...cretary, had promised to introduce in the House of Lords a Bill to license theatrical managers.

6,000 REPLIES TO AN ADVERTISEMENT

The Daily Mirror has received the following letter from the Brandis Davis Publicity Agency, of 231-232, Strand, London, W.C.:—

For our clients, the Leighton Laboratories of Gray's Inn-road, London, we took a quarter-page (in your journal) on November 30 at a cost of £70. The space was occupied by the first announcement of the Leighton System of Hair-Growth Promotion, and offered a free trial outfit. Over 6,000 replies were received in response to this one advertisement, and this in spite of the fact that each reply had to be accompanied by 6d. in stamps!

An interesting sequel to the publication of *The Daily Mirror* net sale figures—over a million a day for the last six months—will be the publication, early in January, of the net sales of the *Sunday Pictorial*.

MYSTERY OF GIRL'S BODY ON MOOR

FACTS are stubborn things. Here are some for you to ponder over. The advertisement referred to in the adjoining extract from the editorial columns of the *Daily Mirror* cost £70 to insert. The Free Outfits distributed as a direct result of this one advertisement cost us £823 to produce! Therefore, this single insertion meant a disbursement of more than One Thousand Pounds.

The same advertisement is appearing in the biggest circulation papers in the British Isles, and is attracting an enormous number of replies. Our total expenditure on this one campaign will greatly exceed Twenty Thousand Pounds.

It is plain and obvious that we would not spend good money so freely were we not perfectly confident that the sales of QUINOLOX, BI-PASTRATE OF QUINOLOX, and QUIN-QUENNA—the three essentials of the Leighton System of Hair Growth Promotion—will rapidly advance to the stage where we shall be fully repaid.

Each Free Outfit costs *us* 2s. 6d., and is ample to prove the genuine hair-beautifying properties of the three essential preparations. The vast majority of recipients of the Free Outfit will enthusiastically continue the practice of the Leighton System, and will come to *you* for supplies. The greatest stress is being laid on the necessity of obtaining only the genuine preparations of the Leighton Laboratories.

You are fully alive to the danger of sending your customers elsewhere for anything. As a result of the present intensive campaign, QUINOLOX, BI-PASTRATE OF QUINOLOX, and QUIN-QUENNA will be in far greater demand than any other preparations for the hair. *The elementary laws of business dictate that you should be ready to meet this inevitable demand.*

Open an account with the Leighton Laboratories and know what Good Service means! Write now for Special Terms and Particulars of our Monthly Parcel Offer.

Leighton Laboratories

Gray's Inn Road, LONDON, W.C. 1

Phone: Holborn 825.

Forhan's Prevents Pyorrhea

Advise your customers that Forhan's For the Gums—if used in time and used consistently will positively prevent Pyorrhea—that dread disease which afflicts four out of every five people over 40 years of age.

Forhan's For the Gums is a specially prepared medicinal dentifrice. It keeps the teeth white and clean, the gums firm and healthy.

Forhan's will build increased profits and customer goodwill for you. Profit by our advertising by placing your order for Forhan's to-day. Write for prices and full trade information.

Thos. Christy & Co.
4-12 Old Swan Lane
London, E.C. 4.

Forhan's
FOR THE GUMS

Actual Size.

By COMMON CONSENT
THE PREMIER
for giving
BRILLIANT, LASTING POLISH
to the
FINGER NAILS.

DAINTY HINGED
ALUMINIUM BOXES
WITH FULL DIRECTIONS
PER 6/- *DOZEN.*
IN SHOW BOXES OF ONE DOZEN.
Manufactured by
SOLPORT BROS., LTD.
184-190 Goswell Road, LONDON, E.C.1
Obtainable through all Wholesale Houses.

STRODONIA Vanishing Cream.
NOW SUPPLIED IN
ALUMINIUM
SCREW-CAPPED JARS.
10½d. size—7/6 doz. 1/3 size—10/6 doz.
FROM LONDON WHOLESALERS.
Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to ½-doz. 1/3 size Bonus for window display, net.; £1/10/0 subject to ¼-doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.
STRODE COSH & PENFOLD, Broadmead, BRISTOL.

A. GIDLOW & CO.
(ESTABLISHED 1896)
Broom Lane, Levenshulme, MANCHESTER.
MANUFACTURERS OF
SHAVING CREAMS
Packed in 1-lb., 2-lb., 7-lb. Boxes and 56-lb. Cases.
Also packed in Collapsible Tubes.
PROPRIETORS & MANUFACTURERS OF
RENARD'S POMADE HONGROISE
Also supplied in unlabelled Tubes and Bulk.
SAMPLES AND PRICES ON APPLICATION.
WHOLESALE ONLY.

ROYAL VINOLIA TOOTH PASTE

(ANTISEPTIC.)

A "TRUE BRITISH" DENTIFRICE.

For those who prefer a dentifrice in powder form, Royal Vinol a Tooth Powder will be found equally delightful and satisfactory.
Tins, 9d. & 1/3

THIS is a scientifically prepared Dentifrice of the greatest merit, which makes the teeth white, preserves them from decay, and keeps the mouth and throat pure and free from disease germs. It can be recommended with every confidence.

It contains valuable antiseptics, the combined action of which may be relied upon to arrest and prevent decay and to destroy micro-organisms in the mouth and throat.

It keeps the breath pure and sweet, and does not injure the enamel of the teeth. It is equally suitable for children and adults.

Children especially are very fond of it, for whilst it contains valuable antiseptics, it has also a pleasant flavour, which is a considerable factor in getting children to give regular attention to their teeth.

This is a most satisfactory Tooth Paste for the Pharmacist to recommend. It makes a striking display on the counter or in the window—it sells quickly and yields a good profit.

RETAILS IN TUBES IN TWO SIZES

7½d. and 1/3

VINOLIA COMPANY LIMITED, LONDON.

Offices and Works: BEBINGTON, CHESHIRE.

R V 463—29 T

PAPIER POUDRÉ

TRADE MARKS

"LEHCARESOR."

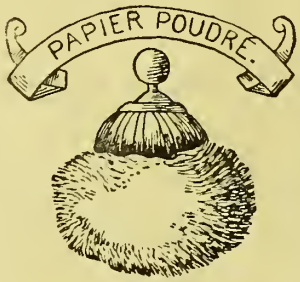
Papier Poudré

British Made Goods.

Beware of Spurious Imitations

Note our Trade Marks.

REGISTERED



PAPIER POUDRÉ, LTD.,
46 Baker St., Portman Sq., London, W.1.
and in Paris.

WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d. and 1/4 size Booklets, 2/8, 3/9, 5/- and 10/- per dozen net, respectively.

SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.

REFILLS to Mirror Cases in White, Rose or Rachel ... ... 2/8 per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented). White only ... 5/- per doz. net.

POPPŒA ROUGE

A most popular line. (Regd.)

Made in booklet form. One size only, viz. **1/–**, at **8/–** per dozen net.
Mirror Cases 1/4 at **10/–** per doz. **Refills** for same **6d.**, at **3/9** per doz. net.

NOTICE TO THE TRADE.—As supplies of material have now reached a state of normal condition we are in the position of being able to execute all orders.

PAPIER POUDRÉ, Ltd., 46 BAKER STREET, PORTMAN SQ., LONDON, W.1

Pompeian

BEAUTY PREPARATIONS

Good Goods--with a good Selling Policy

YOU have seen the Pompeian Products—most probably ***sold*** them. You know they are specially prepared to appeal to the British Public—You know they are good—You know that Pompeian advertising is the kind that "sells the goods." Now we want you clearly to understand the Pompeian Selling Policy. Briefly it is :—

1. To play fair with you always.
2. To give you a good profit.
3. To relieve any chemist or store of overstock.
4. To adjust any complaints of your Pompeian customers quickly and fully, relieving you of any possible expense or trouble.
5. To treat you as we ourselves would wish to be treated.
6. To make only quality articles and to package them attractively.
7. To advertise honestly, heavily, and continuously, year by year.

WE want your co-operation, and we are out to help you every way we can. Make Pompeian Preparations a leading feature of your pharmacy this year, and you will find them a leading feature of your profit account.

NOTE: Pompeian MASSAGE Cream, Pompeian NIGHT Cream and Pompeian FRAGRANCE are not yet being heavily advertised, they have already an excellent sale. Order as much as you like of these as well as Pompeian BEAUTY Powder, Pompeian DAY Cream and Pompeian BLOOM. The advertising will ensure your making quick turnovers.

YOU cannot afford to miss the big Pompeian profits. Send us, at wholesale, an order TO-DAY.

J. E. ELLIS
LIMITED
(Dept. C.D. 5)
Wellington St.,
LEEDS

Sole Pompeian Agents for the United Kingdom.

	Per Doz. Net. £	s.	d.	Retail Price each. s.	d.
Pompeian Beauty Powder. A high-class face powder—delightfully perfumed	1	1	0	2	6
Pompeian Day Cream (Vanishing). White and pure, especially suited for oily skins. Attractively perfumed	1	1	0	2	6
Pompeian Bloom. A rouge in a hard cake (boxed) with puff—light, medium and dark	1	1	0	2	6

Note exceptional PROFIT of 43% on outlay; 30% on sales plus extra 5% discount for £5 upwards.

	Per Doz. Net. £	s.	d.	Retail Price each. s.	d.
Pompeian Massage Cream. A pink cream for cleansing and massaging the skin ... Small	1	1	0	2	6
Do. do. Medium	1	12	0	3	10
Do. do. Large	2	2	0	5	0
Pompeian Night Cream. A perfected cold cream...Tubes		12	7	1	6
Do. do. Small Jar		16	1	1	11
Do. do Large Jar	1	12	2	3	10
Pompeian Fragrance. A talcum powder with a delightful odour		10	6	1	3

Overstocks gladly reduced.
P.A.T.A.

SAPON SOAP

DELIGHTFUL TO USE—PROFITABLE TO SELL—PERFECT FOR THE SKIN.

After searching investigation and exhaustive tests by a committee appointed for these specific purposes, "SAPON" SOAPS have been awarded

THE GOLD MEDAL

At the BRISTOL EXHIBITION, Nov. 13, 1920

We are in no way connected with any combine of soap makers.

BETTER SOAPS—BETTER PROFITS.

WRITE FOR PRICE LIST, OR PHONE 934 BANK.

SAPON SOAPS LTD., LONDON BRIDGE, E.C.4.

30/- Sales with plenty of Profit

SCOTT'S

BATH SALT

FOR STOUT PEOPLE

Advertised in Nash's Magazine, Fashions for All, Coming Fashions, Ladies' Field. &c.

1/- per box. 10/6 per doz
36 boxes 30/-.
72/- per gross, carr paid with Showcards.

Scott's Chemical Co.,
47, HUDDLESTONE RD., LONDON, N.W.2

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale : **26/-** PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale : **42/-** PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

MIDGLEY'S EMOLLIENT CREAM

"IT BEAUTIFIES THE SKIN"

A Cream which is "different."

A Cream for Pharmacists who delight in selling something good.

Just write us for particulars contained in 4-page leaflet.

MIDGLEY'S EMOLLIENT CREAM TOILET SOAP

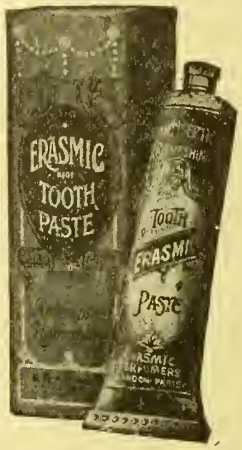
A Soap which your doctors will agree in recommending.

Our 4-page leaflet shows how 68 per cent. profit on outlay may be secured.

EVANS SONS LESCHER & WEBB LIMITED

Wholesale Distributors - - - - Liverpool, London & New York.

ERASMIC TOOTH PASTE



stands alone as the most delicious and fragrant of all Dental Creams.

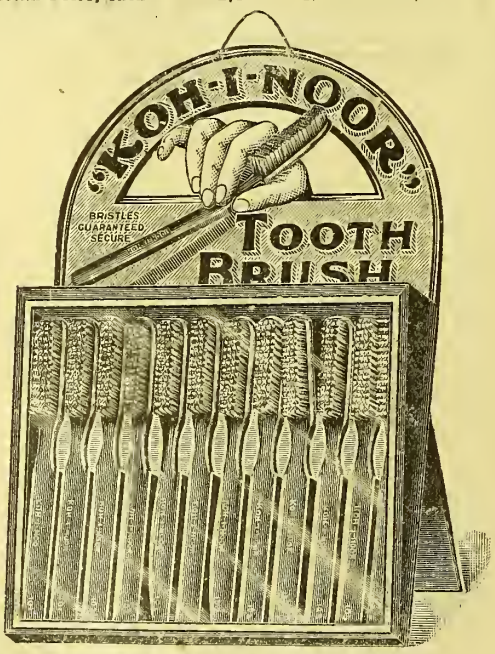
It is the most effective Tooth Cleanser, beautifier and preserver.

SPECIAL BONUS OFFER
for Window Display.
PLEASE WRITE FOR PARTICULARS.

ERASMIC - Perfumers - WARRINGTON

On the P.A.T.A.

	No. 522.	No 523.	No. 519 (Child's)
Wholesale, per dozen	2 /-	23/6	12/-
Retail Price, each ...	2/6	3/-	1/6



ABOVE SHOWCASE SUPPLIED WITH EACH 3 DOZEN.

SAROMET

Really new and distinctive perfume

PRODUCED BY THE ABBEY CO.
Manufacturers of all kinds of
PERFUMES & TOILET PREPARATIONS

Importers of all descriptions of Druggists' Sundries, Manicure Requisites :: Combs :: Puffs, etc.

QUOTATIONS AND SAMPLES ON APPLICATION

The trade acknowledges that the Abbey quality and prices are right. Carriage paid on all orders.

Factory & Warehouse : 4 Clerkenwell Green, London, E.C. 1
Phone: Central 9693. Glasgow Office: 13 N. Claremont St.

BIDWELLS

SPECIAL NOTICE.

We are now putting up £12 parcels of assorted HAIR BRUSHES, and £3 parcels of NAIL BRUSHES. Attractive lines and good value. Let us send you one.

AXMINSTER - - DEVON.

NOTICE!

IF you buy

COMBS,

TOILET ARTICLES, AND DRUGGISTS' SUNDRIES,

WRITE US TO-DAY.

We have some splendid lines in Dust Combs, at low prices.

VERNON POWELL, LTD.

VERNON POWELL Ltd.

9 & 10 ST. ANDREW'S HILL, LONDON, E.C. 4.

Wholesale and Export ONLY.

COMBS

DRESSING - RAKE - TOOTH

Write for Samples and Quotations for immediate delivery.

J. A. BROTHERS,

17/18 Chapel St., Whitecross St., London, E.C.2

Phone: CITY 5321.

ESTABLISHED 1839.

CHEMISTS' OVERALLS

From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL – 12/6, 17/6, 21/- & 26/6
WHITE DRILL – 18/11
BLACK DRILL – 19/6

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.

SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

1 Commercial Road, E.1.

Teleg.: "Durastyle, Phone, London." Phone: Av. 6650 (4 lines).

HAIR BRUSHES

NAIL BRUSHES.
CLOTHES BRUSHES.
SHAVING BRUSHES.

Everything in the way of Brushes.

Telephone: MUSEUM 2111.

Telegrams: "AWHILE, WESDO, LONDON."

TITTERTON & HOWARD LTD., 8-10 GT. TITCHFIELD STREET, LONDON, W.1.

Two Lines which you, Mr. Chemist,

They always mean a pleased and satisfied Customer,

A FEW OF THE

OF ALKIA SALTRATES AND

who have written us praising these

Mr. A. F. BETTINSON,
Founder and Manager, National Sporting Club.

Mr. EUGENE CORRI,
Famous Referee.

JIMMY WILDE,
World's Champion Boxer

ERNEST BARRY,
World's Sculling Champion.

PETER LATHAM,
One time World's Champion Tennis and Racquets.

ALFRED SHRUBB.
Champion Long-distance Runner, Holds Nine World's Records.

FURTHER ENDORSEMENT.

Amongst the hundreds of other well-known people in the Sporting World from whom we hav received letters telling us of the benefits they have derived from using our products are:—

Fred Fulton; Eddie McGoorty; Jim Sullivan; Johnnie Basham; Young Healy T. Deschamps; Ted Lewis; W. R. Applegarth; W. G. George; J. E. Deakin Alfred Felton; W. G. East; D. C. Hatfield; G. Rogers; Arthur Nightingale W. J. Bailey; The Tottenham Hotspur and Wolverhampton Foothall Club

Not designed as the cheapest preparations of thei

ALKIA SALTRATES.

A widely advertised and quick selling product, which represents the maximum of possible efficiency in a saline, and the best value obtainable for the money. Being highly concentrated, exceptionally small doses are sufficient, and there is no trace of any salty or other unpleasant taste.

Protected on P.A.T.A. at the full face value of 3/3 a large bottle.

YOU CAN STOCK THESE GOODS ON *GUARANTEED SALE* TERMS.

Carriage paid in United Kingdom on orders for 3 dozen, which may be assorted.

Handsome showcards of strong selling power sent free on request. Display them in your window, and attract extra business from our present extensive advertising campaign.

can Recommend with Full Confidence

because they do exactly what our advertisements say.

PROMINENT USERS

REUDEL BATH SALTRATES,
products in the highest possible terms.

GEORGES CARPENTIER,
European Heavy-weight Champion.

JOE BECKETT,
English Heavy-weight Champion.

BILLY WELLS,
Famous Boxer.

JACK HOBBS,
Famous All England Cricketer.

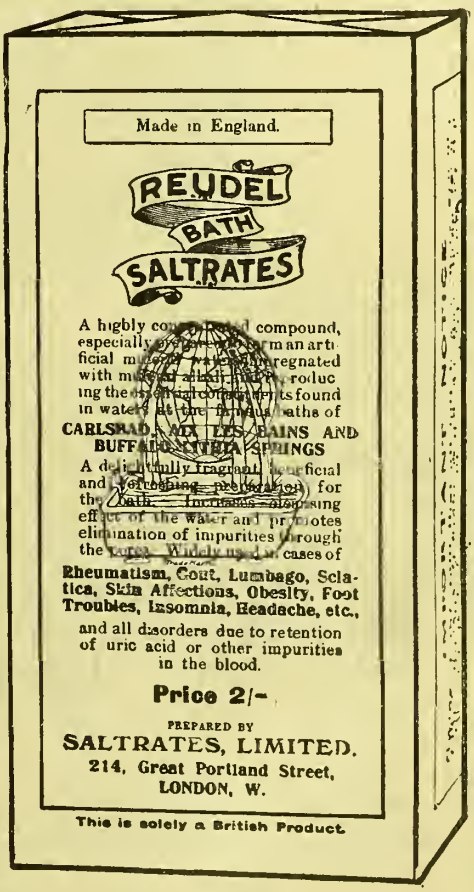
TOM PAYNE,
Champion Long-distance Walker. Holder of Three World's Records.

ABE MITCHELL,
Golfing Champion.

Thousands of commendatory letters on file, and open to examination by anyone.

Members of the medical profession, trained nurses, prominent business men, famous actors and actresses, men well known in the Army, Navy, sporting world, and all walks of life are amongst thousands of the correspondents who have written us praising our Saltrates in the highest possible terms after having experienced the remarkable curative effects. The ethics of the medical profession do not permit our making public any physicians' names, but our files of other commendatory letters are open to inspection by anyone at any time.

REUDEL BATH SALTRATES.



The best selling and most fragrant, refreshing, beneficial and all-round satisfactory preparation for the bath or for general toilet purposes.

Especially recommended in cases of foot trouble or rheumatic pains, stiffness, etc. Now being extensively advertised.

Protected on P.A.T.A. at the full face values of 2/- and 3/3.

kind, but the best producible, regardless of cost.

WE CAN GUARANTEE IMMEDIATE DELIVERY OF ORDERS FOR ANY QUANTITIES.

We are fortunate in being able to announce that foresight shown in the laying in of very heavy stocks of supplies in anticipation of the shortage which afterwards developed, *still enables us to guarantee full and prompt delivery of orders for any quantities.*

ELCO TOILET PREPARATIONS.

BAY RUM AND CANTH H IRWASH
19/- doz.; Retail 2/6

BEAUTY CREAM
15/6 doz.; Retail 2/-

BORATED DUSTING POWDER
8/6 doz.; Retail 1/3

D NTAL FOAM
10/- doz.; Retail 1/3

GLYCERINE AND CUCUMBER CREAM
11/3 doz.; Retail 1/6

HAIR INVIGORATOR
20/- doz; Retail 3/-

SHAMPOO POWDER
14/- doz.; Retail 1/9

VANISHING CREAM
11/6 doz.; Re ail 1/9

THE ELCO BRAND

ELCO Seasonable MEDICINAL Preparations.

ASPIRIN TABLETS
5/3 doz.; Retail 10½d.

CHEMICAL FOOD
13/6 doz.; Retail 1/9

CHILBLAIN TABLETS
6/- doz.; Retail 1/-

COLD CURE TABLETS
6/- doz.; Retail 1/-

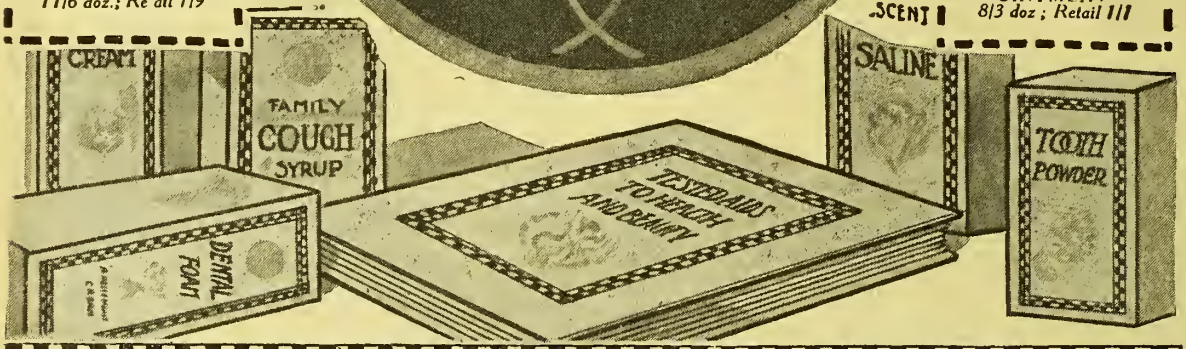
COUGH SYRUP
13/6 doz.; Retail 1/9

EMULS. COD LIVER OIL.
14/6 doz.; Retail 2/3

EXT. MALT & OIL
20/9 doz.; Retail 2/4

HEADACHE & NEURALGIA TABLETS
9/- doz; Retail 1/6

RUBBING AND HEALING OINTMENT
8/3 doz; Retail 1/1



80% Profit and an easy Sale!!

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Season of the Year.

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Ph. J. Formulary No. 7589, page 880.

Glycerine Extract of Red Bone Marrow (Armour), Chemical Food (Syr. Ferri Phos. Co.), Fluid Extract of Malt. Of each equal parts.

DOSE.

Under 5 years, one small teaspoonful.

Over 5 years, one teaspoonful.

To be taken in water three times a day after meals.

Red Bone Marrow Tonic.

Alternative Formula.
Ph. J. Formulary No. 0145.

Glycerine Extract of Red Bone Marrow (Armour)	...2 ounces
Easton's Syrup	...4 drachms
Compound Syrup of Hypophosphites	4 drachms
Chloroform Water to make	...8 ounces

DOSE: One tablespoonful in a little water immediately after meals.

Red Bone Marrow with Hypophosphites.

Ph. J. Formulary No. 10145, page 596.
Pharm. Forms, Vol. II., page 559,

Glycerine Extract of Red Bone Marrow (Armour)	... 5 ounces
Hypophosphite of Lime ...	...2 drachms
Hypophosphite of Sodium ...	...2 drachms
Simple Syrup	... 2 ounces
Distilled Water to make ...	... 2 pints

Mix and Filter.

DOSE: One tablespoonful to be taken in water immediately after meals.

We will supply labels for these free on application.

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("Armour")

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ALTERATIONS IN TRADE LIST PRICES

During DECEMBER, 1920

The following list relates to the changes in prices which have occurred in respect to staple products or important alterations of prices of products in less frequent demand:—

NOTE.—The prices given below are current trade list prices to which 10% is to be added to arrive at the Minimum Selling Prices to the public.

'TABLOID' BRAND—	Per doz. 25's	Per doz. 100's
Guaiacol Carbonate, gr. 5	18/0	58/0
,, ,, ,, 0·3 gm.	18/0	58/0
,, Sulphonal, gr. 5	24/0	84/0
,, ,, 0·25 gm.	20/0	65/0
,, ,, 1 gm.	72/0	270/0
,, Trional, gr. 5	24/0	84/0
,, ,, 0·25 gm.	20/0	65/0

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NEW YORK MONTREAL SYDNEY CAPE TOWN
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TRADE MARK 'MENTHOFAX' BRAND

COMPOUND METHYL SALICYLATE OINTMENT, B.P.C.

Analgesic and counter irritant. Prepared from ingredients of the highest standard of quality obtainable.

Carries the B. W. & Co. guarantee of quality and reliability.

Supplied in collapsible tubes at 24/0 per dozen.

Each half dozen on hanging card for display.

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PERLES.
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WALMSLEY CLEANING PADS.
CAPSULES.

NOSTRONES.
COMPRESSED TABLETS.
AMULETS.
POT POURRI (CINET'S)
JAPADUMS (CINET'S).
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HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

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Index Notice.

THE index for Volume XCIII., covering the second half of 1920, is in preparation. We shall be glad if those of our subscribers who desire copies will send us postcard requests, as the index will not be issued with the journal.

Wills.

MR. ERNEST SANDERSON TAYLOR, retired chemist, 20 Kingsway, Wallasey, who died on October 30, left estate of the gross value of 4,843*l*. 18*s*. 8*d*., with net personalty 3,470*l*. Probate of the will has been granted to his widow.

MR. THOMAS DONALD WATSON, F.C.S., 16 St. Mary's Road, Bayswater, London, W., who died on November 12, left estate of the gross value of 1,930*l*. 5*s*. 3*d*., with net personalty 1,887*l*. 9*s*. 11*d*. Probate has been granted to his daughter, Miss Annie Esther Watson.

MR. EVERARD PERCIVAL ANTHONY, Ph.C., 22 Clapham Road, Bedford, who died on November 19, left estate of the gross value of 1,303*l*., with net personalty 103*l*. Probate of his will has been granted to Mr. John Randolph Anthony, 7 Sansome Place, Worcester, solicitor, the brother, and Mr. John Sydney Biss, of 48A High Street, Bedford.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Increased Telephone Charges.

The following new tariff for telephone charges was introduced by the Postmaster-General on January 10 as regards new exchange circuits and additions to existing installations. It will be applied to existing installations on April 1, or as soon after as the conditions of the existing contracts permit. The annual "installation rental" will be as follows:

—	London	Birmingham, Glasgow, Liverpool, and Manchester	Provinces
	£ s. d.	£ s. d.	£ s. d.
Exclusive line	8 10 0	8 0 0	7 10 0
Auxiliary line	7 10 0	7 0 0	6 10 0
Private branch exchange:—			
First line	8 10 0	8 0 0	7 10 0
Additional lines (each) ...	7 10 0	7 0 0	6 10 0
Extensions (each)	2 5 0	2 5 0	2 5 0

Where the distance of the subscriber's premises from the exchange is more than two miles in London, or one mile in the Provinces, an additional annual charge of 25*s*. per furlong will be made on the excess distance, measured radially. A charge of 1½*d*. will be made for each communication with a subscriber connected with any exchange within a radius of five miles of the originating exchange, with certain extensions of area in the case of London, Birmingham, Glasgow, Liverpool, and Manchester, particulars of which will be given to existing and intending subscribers when an agreement at the new rates is sent for their consideration. On and from February 1 the scale of fees for the use of the trunk telephone lines will be as follows, but the new charges for calls for distances of fifteen miles or less will not apply to existing subscribers until their agreements at the present tariff rates expire:

Up to	Day (7 a.m. to 7 p.m.)	Night (7 p.m. to 7 a.m.)	
	3 min.	3 min.	6 min.
	s. d.	s. d.	s. d.
7½ miles	0 1½	0 1½	0 1½
10 ,, ...	0 3	0 3	0 3
12½ ,, ...	0 4½	0 4½	0 4½
15 ,, ...	0 6	0 6	0 6
20 ,, ...	0 7½	0 6	0 7½
25 ,, ...	0 9	0 7	0 9
35 ,, ...	1 0	0 8	1 0
50 ,, ...	1 6	0 9	1 6
75 ,, ...	2 0	1 0	2 0
100 ,, ...	2 6	1 3	2 6
For each additional 50 miles or part thereof	1 0	0 6	1 0

These charges are in addition to the local fee of 1½*d*.

Philip's "Standard" Retail Price List.

The following are among the alterations and additions in the current issue of Philip's "Standard" Retail Price List: *Drugs*.—Acid. acetylsal. pulv., 11*d*. oz.; ac. citric. pulv., 6*d*. oz.; ac. oxal. coml., 4*d*. oz.; ac. tart. pulv., 4*d*. oz.; arrowroot, Natal, 6*d*. oz.; camph. flor., 1*s*. oz.; camph. tab., ¼ oz., 3½*d*.; cera alb. plac., 6*d*. oz.; crem. tart. pulv., 3½*d*. oz.; ess. menth. pip., 1 in 20, 2*s*. 2*d*. oz.; ext. malt. c. ol. morrhuæ, 2*s*. 3*d*. lb.; hennæ fol. pulv., 4½*d*. oz.; insect powder, No. 1, 6*d*. oz.; iridis rad. flor. pulv., 4½*d*. oz.; lini sem. opt., 1*s*. lb.; magnes. cit. eff., No. 1, 4½*d*. oz.; ol. eucalypt., 7*d*. oz.; ol. menth. pip., 5*s*. 8*d*. oz.; ol. ricini, No. 1, 2½*d*. oz.; potass. brom., 3½*d*. oz.; potass. carb. coml., 3*d*. oz.; pot. nit. coml. pulv., 2*d*. oz.; pulv. glycyrrh. co., 3*d*. oz.; rhei pulv. opt., 2*s*. 3*d*. oz.; sacch. lact. opt., 3½*d*. oz.; syr. ferri phosph. co., 3½*d*. oz.; syr. ferri phosph. c. quin. et strych., 5*d*. oz.; syr. scillæ, 3½*d*. oz.; syr. sennæ, 3*d*. oz.; syr. tolut., 3*d*.

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oz.; syr. violæ, 3½*d.* oz.; tinct. benz. co., 8*d.* oz.; ung. hyd. ammon., 6*d.* oz. *Goods Sold by Pint, etc.*—Ol. lini, 1*s.* 8*d.* pt.; ol. morrhuæ Nov. opt., 3*s.* 1*d.* pt.; ol. olivæ (fine), 5*s.* pt.; ol. ricini (cattle), 2*s.* pt.; ol. tereb., 2*s.* 1*d.* pt.; sp. vini meth., 1*s.* 6*d.* pt.

Rating Appeal.

At the West Riding Quarter Sessions, held at Leeds on January 4, four test cases and eleven ordinary appeals against reassessment came before the Court. The matter was a sequel to the vigorous opposition which the traders' organisations of Halifax have recently put up against an increase of 25 per cent. in the assessment of certain properties. Counsel for the appellants said that the Halifax Assessment Committee passed a resolution on January 14, 1920, that, pursuant to the provisions of the Union Assessment Committee Act, 1862, a supplemental valuation list for certain properties should be prepared. The valuer was directed to add 25 per cent. to the net rateable value and 25 per cent. to the gross rateable value of such properties. Counsel submitted that it was a violation of Section 1 of the Parochial Assessment Act, 1836. The effect of the resolution was that increased valuation fell upon certain properties, but dwelling-houses escaped any increase. That was contrary to the whole principle of rating. He contended that there must be a valuation of each property, and that the Committee could not impose an all-round percentage, saying there was a general increase of 25 per cent. in the value of the district, because an increase must vary according to the situation and character of the premises and a comparison of the class of buildings. For the respondents, it was argued that no evidence had been offered in support of the appellants' only legal ground of appeal, and that it was open to the ratepayer to appeal in the ordinary way. Neither side was able to quote any case which had been decided on the point. The Bench allowed the appeal, with costs, in the one case dealt with. It was agreed to state a case. The three other test cases and the eleven ordinary appeals against the same rating were deferred to the next Sessions.

Students' Visit to Wholesale House.

The pharmacy students of Manchester University, to the number of sixty, journeyed to Liverpool on January 6 to visit the warehouses and laboratories of Evans Sons Lescher & Webb, Ltd. The party was divided into three sections, each under its own guide, and spent a couple of hours in going over the various departments. The apparatus and methods for dealing with cascara by the ton, the milling of ointments, emulsion-making, tablet- and pill-making, distillation of sp. æther. nit., vacuum-pan evaporation, and the special stills for the recovery of alcohol from marcs were all noted. Of special interest was the preparation of the resins of scammony and podophyllum by precipitation and of succus taraxaci, as questions on these had been set at the Christmas terminals. The analytical laboratories were next visited, and a perusal of "Evans' Analytical Notes" for 1914 to 1919, extending over 128 pages, gave an idea of the routine-testing of materials carried on. The company was entertained to a sumptuous tea at Reece's Café, when the thanks of the students were voiced by Mr. James Grier, M.Sc., and acknowledged on behalf of Messrs. Evans by Mr. John M. Tallantyre, Ph.C.

House-organs.

The following are among the house-organs that have reached us during the month:

"Asbestos" (Turner Bros. Asbestos Co., Ltd., Rochdale) contains a variety of articles. Notes on current labour questions and a skit on military routine render the number attractive to others than those connected with the asbestos industry. Two pages of "Home Notes" are devoted to the affairs of the company's employees.

"Glaxo Service Bulletin" (Glaxo, London, W. 1) contains several items of interest, including an article on "How to Increase Turnover" by Mr. Thomas Marns, and one entitled "Should I Advertise?" by Mr. Alec Nathan. A Glaxo Insurance account card and stock card are enclosed, and a Glaxo window-display has furnished one of the illustrations.

Contracts.

The following tenders have been accepted by the bodies named:

Ludlow Guardians.—G. Woodhouse & Son, chemists, drugs, etc.

Malling Rural District Council.—H. C. H. Oliver, chemist and druggist, disinfectants.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

In South Kensington, London, S.W., Ada Roberts, a cook, committed suicide by taking salt of lemon while of unsound mind.

A verdict of "Suicide while of unsound mind" was given at an inquest held at Faversham, on January 10, on the body of Dr. John Garrett, who died after taking morphine. His housekeeper stated that he had no financial trouble, but had been worrying over Insurance accounts.

Birmingham.

There is a great shortage of copper coins in the city.

The new President of the Midland Institute is Commendatore Marconi.

It is reported from West Bromwich that tradesmen are being victimised by a young lady, aged about 26 years, who asks to take goods for the nurses at the hospital.

Several dozen tooth-brushes are offered for sale by auction in the Corn Exchange on January 18. Tooth-brushes of respectable appearance are being sold in "bargain" shops in various places at 6*d.* each.

Bradford.

Additional apparatus for the physical chemistry laboratory of the Technical College is being procured at an estimated cost of 125*l.*

At Dewsbury County Court, on January 5, Mr. J. B. Wilkinson, chemical manufacturer, Dudley Hill, Bradford, was awarded 9*l.* for damages to a motor-lorry which had been run into by a motorist.

A special bargain offer, on purchases made on Saturdays, has been instituted by four Bradford chemists—Messrs. Appleyard, Bramley, Holroyd, and Stocks. To every purchaser of a new hot-water bottle, on January 8, an allowance of 1*s.* was made for the old one.

Liverpool.

"Three sorts of weather in a single day" is a current experience in Liverpool.

Additional cases have been installed in the Hanover Street showroom of Evans Sons Lescher & Webb, Ltd.

Mr. Alexander Stephen, chemist and druggist, 70 Prescot Road, has transferred his business to his married daughter, Mrs. Craig, chemist and druggist.

Encouraged by a former venture, and carrying on business in the midst of the shopland sales, Mr. Alex. Lawrence announces a sale in all departments of his pharmacy.

"Christmastide holidays passed almost without notice, so busy have we been with orders, stocktaking, and developments," was the remark of a veteran of the drug-trade in Hanover Street the other day.

There is talk among pharmacists as to the need of educating the lay Press and various authorities into abstaining from applying the title "chemist" to persons who have no statutory right to its use in trade.

Liverpool and Southport pharmacists accepted invitations from the Manchester Associations to luncheon at the Midland Hotel, Manchester, on January 12, to meet Mr. E. T. Neathercoat, President of the Pharmaceutical Society.

Mr. Henry Gainford, chemist and druggist, for twenty years with Boots, Ltd., and latterly manager of their chief local branch at the corner of Hanover Street, has acquired the Sefton Park branch of Midgleys, Ltd., a well-equipped pharmacy at the top of Lark Lane.

Ayrton, Saunders & Co., Ltd., opened, on January 12, at 10 Paradise Street, a travelling exhibition, consisting of their own proprietary goods and cartons arranged as a series of window-shows. The exhibition will visit cities

and towns throughout the country, remaining at each centre from one to three weeks. Messrs. E. Norman Torry, W. G. Mann, W. H. Dowler, and P. D. Page are in attendance at "Ayrton's 1921 Exhibition."

The party of thirty-four Canadian curlers who have landed here includes two pharmacists well known in the Dominion—Mr. J. A. Craig, Yarmouth, Nova Scotia, and Mr. Turnbull, Sydney, Nova Scotia. Before leaving for a Scottish tour, the party took an automobile ride round Liverpool, and Mr. Craig contracted a severe chill. He was, however, soon put right by a local pharmacist. The party will visit Manchester and other English cities before returning from Liverpool on February 25.

Speaking at the annual dinner of the district branch of the United Kingdom Commercial Travellers' Association on January 8, Mr. W. H. Saunders, chairman of Ayrton, Saunders & Co., Ltd., remarked that during his recent business tour round the world he was told: "You don't deserve colonies; you know nothing about them. You don't send your stuff; you don't send your travellers." The commerce of the world, added Mr. Saunders, was waiting for us if we would only take advantage of it.

At Liverpool City Sessions, on January 6, P. McCluskey was sentenced to twelve months' imprisonment in the second division, and was ordered to pay 10*l.* towards the cost of the prosecution, for selling bottles of liquor to which a false trade description was applied on the labels or in advertisements. The defendant, on oath, denied any intention to defraud. In cross-examination, he said the reason some newspapers had refused or withdrawn his advertisements was that when he advertised "fort" wine "port" appeared as a misprint, and the newspapers refused to insert corrected notices without extra payment. The jury having returned a verdict of "Guilty," a police inspector said there were two previous convictions, one in June 1919 (*C. & D.*, 1919, p. 623).

Sheffield.

Wallace Heaton, Ltd., are holding their "spring" photographic sale.

The sale price of thermos flasks at the establishments of Boots, Ltd., is 2*s.* 11½*d.*, and that of Glauber's salt 4½*d.* per lb.

Few Sheffield pharmacists practise dentistry; the exceptions, however, will be seriously affected if the new Dentists Bill becomes law.

It is feared that several local pharmacies have been involved to some extent in the suspension of payment by Farrow's Bank.

Some of the manufactured articles for insurance dispensing with a fee of 3.9*d.* show a larger profit than those carrying an extemporaneous fee.

The names of G. M. Lewis, Rotherham, and C. W. Royston, Sheffield, are in the list of prize-winners under the Pharmaceutical Society's preparatory scheme.

The number of bankruptcies in Sheffield during the past twelve months shows a considerable increase over the previous year. According to the "London Gazette," there were 1,594 during 1920, against 753 in 1919. The last quarters of the respective years show 562 as compared with 235.

Miscellaneous.

FIRE.—The premises of Donington & Co., chemists, Spalding, were recently damaged by an outbreak of fire, which continued for an hour before it was subdued.

THEFT OF ARTIFICIAL TEETH.—The premises of the Dental Manufacturing Co., Ltd., East Molesey, were entered by burglars in the early hours of January 8, and over 9,000 artificial teeth were stolen.

LARD TO BE DECONTROLLED.—The Food Minister states that the decontrol of lard is within measurable distance, subject to the realisation of the stocks held by the Ministry, which are now very limited.

GIFTS TO SUPERANNUATION FUND.—The annual meeting of the members of the benevolent and superannuation fund in connection with W. Meadowcroft & Son, Ltd., essence manufacturers, Regent Street, Blackburn, was held on January 6. It was reported that the company had made a further grant of 400*l.* to the fund, and that Mr. J. Meadowcroft, J.P., had contributed an additional 100*l.* in memory of his father. It was stated that 25 per cent. of the staff had over twenty years' service with the company to their credit, and 40 per cent. over ten years' service.

CHEMICAL-TRADE WAGES.—It is announced, with reference to the increase in wages for chemical-trade employees mentioned in our last issue (p. 45), that the Chemical Employers' Federation has requested manufacturers to refrain from granting increased wages until a special meeting has been held. The chemical trade is depressed, and it is asserted that wholesale unemployment would follow increased wages. The latest award would, it is understood, involve an increase of 60,000*l.* per annum in the wages bill of one well-known manufacturing company.

COCAINE VENDORS SENTENCED.—At Marylebone Police Court, London, on January 10, Helen Russell (twenty-six) was sentenced to three months' imprisonment in the Second Division for being in unauthorised possession of cocaine on two dates. The police evidence was to the effect that twenty-two "packets" of cocaine were found in the accused's possession when she was arrested, in addition to boric acid and aspirin, both of which were said to be used as diluents.—At Bow Street Police Court, on January 10, Jack Bronstein (twenty-two), a Russian Jew, was sentenced to two months' hard labour for a similar offence.

MAYOR'S AND CITY OF LONDON COURT.—The first sitting of the Mayor's and City of London Court since the fusion of the Mayor's Court with the City of London Court was held on January 4, when his Honour Judge Jackson presided. Judge Jackson was formerly the Assistant Judge of the Mayor's Court. Mr. Wardley, on behalf of the Bar and solicitors practising at the Court, congratulated the Judge. His Honour, in acknowledging the compliment, said that, for some reason, cases took a great deal longer to try than used to be the case. He hoped that the practitioners would direct their attention to the necessity for expediting matters.

THEFT CHARGE.—At Tower Bridge Police Court, London, on January 8, Percy J. Hodge and Albert E. Thomason were charged on remand with stealing and receiving platinum and palladium, value 2,000*l.*, the property of the Mond Nickel Co., Ltd., Hodge's employer (*C. & D.*, January 8, p. 47). Major Johnson, manager to the company, now produced extracts from the books, showing a large increase in output whenever Hodge happened to be absent. Mr. Whiteley, barrister, for the prosecution, asked that the charge be amended to stealing and receiving 400 Troy ounces of platinum and 147 Troy ounces of palladium. Prisoners were formally remanded, on bail, for committal to the Central Criminal Court.

NEW REGULATIONS IN INDIARUBBER PROCESSES.—The Home Secretary gives notice, in "The London Gazette" of January 7, that he has certified the following processes incidental to the manufacture of indiarubber, and of articles and goods made wholly or partially of indiarubber, viz.: (*a*) Vulcanising by means of the process known as the cold-cure process; (*b*) any other process involving the use of carbon bisulphide, sulphur chloride, carbon-chlorine compounds, or benzol; (*c*) any process involving the use of lead or lead compounds, to be dangerous, and that he proposes to make regulations to apply to all factories and workshops or parts thereof in which such manufactures and processes are carried on. Copies of the draft Regulations may be obtained on application to the Chief Inspector of Factories, Home Office, London, S.W. 1. Any objections to the proposed Regulations must be sent to the Home Secretary, Home Office, within thirty days after January 7.

REGULATION OF COAL-GAS.—The Board of Trade has appointed Sir R. T. Glazebrook, K.C.B., F.R.S., to be chief gas examiner under the Gas Regulation Act, 1920, and Mr. O. V. Boys, F.R.S., Mr. J. S. Haldane, F.R.S., and Mr. W. J. A. Butterfield, F.I.C., to be gas referees.—Sir William Pearce, M.P. (chairman), Dr. T. Carnwath, Mr. William Doig Gibb, and Mr. T. Gray, D.Sc., have been nominated by the Board as a committee to inquire whether

it is necessary or desirable to prescribe any limitation of the proportion of carbon monoxide which may be supplied in gas used for domestic purposes.—The Board has also appointed Mr. James Hunter Gray, K.C. (chairman), Mr. W. J. A. Butterfield, and Mr. C. H. Lander, D.Sc., to inquire whether it is necessary or desirable to prescribe any limitations of the proportions of incombustible constituents which may be supplied in gas.—Communications may be addressed to the secretary to each of these committees at the Power Transport and Economic Department, Board of Trade, Great George Street, London, S.W. 1.

Irish News.

Brevities.

At Nenagh Quarter Sessions, Mr. D. Herriott, Ph.C., was awarded 386*l.* for stock-in-trade destroyed in the recent disturbances.

Belfast.

At the annual meeting of the North and West of Ireland Commercial Travellers' Association in Belfast on January 8, Mr. Maxwell Thompson (Elliott, Thompson & Blair), wholesale druggists, Belfast, was elected on the Committee for the ensuing year.

C. B. Abernethy & Son, druggists, 232-234 Albert Bridge Road, Belfast, have given up the grocery section of the business and are confining themselves to the Mountpottinger Drug Hall, 232 Albert Bridge Road, Belfast.

Mr. Samuel Nevin, R.D., 245 Woodstock Road, Belfast, has had a breakdown in health, and has gone to Bournemouth for six months to recuperate. He has disposed of his drug business to Mr. Frederick P. Gurd, R.D., who for some years was with R. W. McKnight & Co., chemists, Carlisle Circus, Belfast. Mr. Nevin is the hon. secretary of the Chemists' and Druggists' Society of Ireland.

Cork.

The illustration shows all that remains of Mr. R. Sunner's Medical Hall, 31 Patrick Street, Cork, after the

MR SUNNER'S PREMISES.

disastrous fire of December 8. The Medical Hall was one of the handsomest and best fitted in Ireland, and the substantial character of the building is shown by the way the masonry has stood the fire when all the surrounding premises fell. Mr. Sunner lost everything in the fire The "fireproof" safe when opened contained only ashes, ledgers weighing over half-a-hundredweight being reduced to a condition like snuff.

Dublin.

In the Northern Police Court, Dublin, on January 10, before Mr. Lupton, K.C., Boileau & Boyd, Ltd., 46 Mary Street and 90-93 Bride Street, Dublin, were summoned at the suit of the Dublin Corporation for having sold a bottle of camphorated oil which contained practically 80 per cent. by weight of cotton-seed oil. There was a second count of selling camphorated oil which was a debased article to the prejudice of Henry Sumner, chemist, of 45 Manor Street. It was alleged in this case that the sample only contained 18.6 per cent. by weight of camphor, and that it was adulterated with at least 40 per cent. by weight of cotton-seed oil. For the defence, Mr. Brunker, a director, said that he was responsible for the manufacture. Only pure olive oil was used in the process, and he could only account for the deficiency as a result of being supplied with an adulterated article from the manufacturers. Mr. Lupton imposed a fine of 15*l.* on the first count and 10*l.* on the second. The case against Mr. Sumner was marked "cautioned." [The solicitors to Boileau & Boyd, Ltd., have since written to the Irish newspapers stating that the oils used by their clients in the manufacture of camphorated oil were bought, invoiced, and paid for as genuine olive oil. A letter containing certificate of analysis from Mr. Ernest J. Parry, F.I.C., of London, was also produced, stating that, in his opinion, the sample which was reported to contain 80 per cent. of cottonseed oil, was a mixture of 45 per cent. olive oil and 55 per cent. of other seed oil. The complete analysis of olive oil is a long and difficult process, involving very specialised technique, and our clients, unfortunately, accepted the oils in question on sellers' guarantee that they were genuine olive oils.]

Scottish News.

Brevities.

Inspectors under the Board of Health have of late shown increased interest in employees' insurance and unemployment cards.

The new telephone rates and the orders to panel doctors concerning the records of the insured patients' health are creating considerable unrest throughout Scotland.

Mr. James McGlashan, chemist and druggist, Airlie Street, Alyth, who was in business before 1868, has recently disposed of his business to Mr. P. Duncan, Huntly.

"I don't mind selling the small size of my cough mixture," an Edinburgh pharmacist confessed recently, "but I really grudge the sixpenny stamp I have to place on the larger size!"

Some of the phases of the work of a chemist and druggist were dealt with in an article entitled "At the Sign of the Coloured Bottles," which appeared in a recent issue of the "Glasgow Herald."

The Scottish Pharmaceutical Federation has issued to its members very advantageous terms for insurance against claims by customers for injury from errors or defective goods. The fee, English chemists will be interested to know, is much cheaper than has been charged hitherto for such insurance.

CHILIAN IODINE.—At a meeting of iodine producers held at Iquique an arrangement was arrived at for the settlement of the difficulties with German producers arising from the war.

FOUR FIGURES AGAIN.—The Ministry of Health having suggested that a salary of 800*l.* per annum proposed to be paid its new medical officer of health by the Holborn borough council was not sufficient remuneration for a whole-time officer, the council decided, on January 12, to fix the salary at 1,000*l.*

French News.

(From the "C. & D." Paris Correspondent.)

THE FEMININE INVASION of the Faculties of the University of Paris forms the subject of comment in a leading daily paper. In 1920 there were 512 lady medical students, as against 213 in 1915. From 1915 to 1920 the number at the Faculty of Sciences swelled from 203 to 427; at the School of Pharmacy from 66 to 152.

GERMAN GOODS IN ITALY.—The French Consul in Turin has addressed a letter to the French Minister for Foreign Affairs drawing attention to the activity displayed by German firms in securing a market for pharmaceutical products in Piedmont. He states that French manufacturers have ceased to send their circulars to the doctors and hospitals of this province, leaving the field to be exploited by the Germans, whose products are now gaining ground.

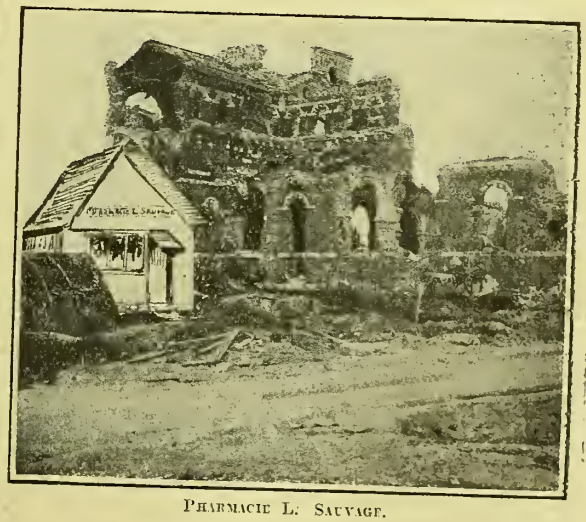
MORPHINE PRESCRIPTIONS.—Four doctors were summoned recently before the Eleventh Correctional Chamber (Paris Criminal Court) for issuing non-dated prescriptions for morphine. Two failed to appear, and were condemned "by default" to fines of 5,000 fr. and 3,000 fr. respectively, with six and four months' imprisonment. The two who answered the summons escaped with fines of 1,000 fr. each. A pharmacist charged with "facilitating" the supply of the drug was fined 3,000 fr.

CUSTOMS DUTIES ON COMPOUND MEDICINES.—In accordance with a decree dated November 5 published in the "Journal Officiel" recently compound medicines not specified, mentioned in an official Pharmacopœia (Tariff No. Ex. 316), are now subject, upon entry into France, to a Customs duty of 20 per cent. *ad valorem* general tariff, and 15 per cent. *ad valorem*, minimum tariff, these duties to be levied by the Customs authorities in the ordinary manner. Such goods which can be proved to have been sent direct to France before the publication of the present decree can be admitted under the previous conditions. Prior to the publication of the above-mentioned decree, all compound medicines not specified (other than distilled waters) mentioned in an official Pharmacopœia had to be submitted to the "Ecole Supérieure de Pharmacie," in order for this institution to fix the duty payable on such medicines. In future, however, the import duties will be levied direct by the Customs authorities.

M. CALMEL'S proposal to purchase one gram of radium, for which he claimed a credit of 1,800,000 frs., has been approved by the Fifth Committee of the Paris Municipal Council. Referring to this purchase of radium, the "Journal" states that two-thirds of the world production (*i.e.* four of the six grams annual output) is made in France. The principal pitchblende beds are in Bohemia, but these are stated also to exist in France (near Autun), though no longer worked. An important bed is said to have been recently discovered in Madagascar. Five French chemical laboratories are equipped for the production of radium, but they mostly work for foreign consumption; all the radium utilised in London (adds the "Journal") comes from France. M. Lacroix, permanent secretary of the Academy of Sciences, who has been interviewed by a Parisian journalist, states that the radio-active minerals of the island belong to the group of titano-niblo-tannates. What he has entitled "bétafite" (it is found near the town of Bétafo) is a mineral peculiar to Madagascar, of a dark-brown colour, sometimes almost black, discovered in 1908. Some eight tons were exported annually before the war, and in 1917 seven tons were exported. The proportion of radium contained varies largely, but certain "bétafites" have sold for as much as 15,000 fr. per ton, and there is now a factory in France where this mineral is treated. Radium "prospecting," added M. Lacroix, is as simple as gold prospecting. Radioactive minerals may be recognised in two ways, by their action on photographic-plates and by their power to discharge electrified bodies.

AT THE ANNUAL MEETING of the Five Academies, held in Paris recently, M. Ch. Moureu, as the representative of the Academy of Sciences, read an address on "Chemistry and the War." "Chemical industry," he said, "was one of the principal factors in the struggle. The work of the notorious factory known as the 'Badische,' which had been constructed and fitted at a cost representing one day's war expenditure, had cost France more blood than the most sanguinary battle." After explaining the close connection of the chemical and alimentary problems, he pointed out that Germany had 30,000 chemists at her disposal. These "were rapidly placed with manufacturers or scientists, and thus during over four years Germany was able to meet an infinity of demands What could France oppose to this army of 30,000? About 2,500 chemists." The danger was averted by "the genius and elasticity of race, its inexhaustible intellectual resources, its powers of decision." Many ask, "how French science, and more especially French chemistry, could check and finally dominate its powerful rival. The answer is quite simple. To enable them to co-operate for victory, resources, such as they had never known before the war, were placed at the disposal of French scientists in general, and chemists in particular; they then received both men and material. The Germans had had these even in time of peace. The importance of applied science had not been recognised in France. Surely such a risk should never again be run."

PHARMACY IN ALBERT.—Probably few French buildings, except Rheims Cathedral, figured more frequently in the English illustrated papers during the war than the Basilica at Albert. But its latest aspect has not been presented to the public, even on the popular postcard. The little cream-coloured wooden hut in front of the east end of the ruined edifice is the "Pharmacie L. Sauvage," and is characteristic of the style in which these ruined towns are first rebuilt. Half hidden by the huge shattered waterwheel once driven by a backwater of the river Ancre, the premises are approached by the grassy slope with which the foundations of the



PHARMACIE L. SAUVAGE.

ruined houses become covered. The interior of these shanties usually resembles a country store. M. Sauvage has certainly the advantage of a conspicuous and central position, and there are now nearly 2,000 inhabitants in Albert. The only other pharmacy is in the backyard of its ancient site. One naturally inquires why some effort to obtain street frontage is not made. This was done to enable the old premises to be rebuilt while business was carried on behind. This was the town which had a pharmacist mayor in 1914, and M. Leturcq's creditable demeanour on the occasion of the first German occupation was noted in THE CHEMIST AND DRUGGIST at the time in a special article (*C. & D.*, 1915, I., p. 347).

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Colonial and Foreign News.

IMPORT LICENCES ABOLISHED.—The Polish Government has abolished the system of licences for the import of medicaments from abroad, and the restrictions on trading in medicaments within the country.

ASPIRIN BY PRESCRIPTION ONLY.—The Department of Health of the Argentine Republic has decreed that in future acetylsalicylic acid (aspirin), alone or in combination, may only be supplied on presentation of a medical man's prescription.

CINCHONINE FOR QUININE.—The Prefect of Milan has issued a circular stating that a large quantity of cinchonine hydrochloride has been imported into Italy from America and placed on the Italian market as quinine hydrochloride. Pharmacists are reminded of their legal obligation to exercise the necessary control over pharmaceutical products purchased by them.

SICK-CLUB PRESCRIPTIONS.—In the free town of Bremen sick clubs could only claim the fixed rebate on prescriptions for members if the total amount exceeded 20m., and the bills were paid within the quarter following its presentation by the pharmacist. A new decree has fixed the minimum amount at 50m., and requires payment of sick-club bills within four weeks of presentation, otherwise the claim to rebate will be forfeited.

STRIKE THREATS. — The Austrian pharmaceutical journals report details of the programme elaborated by the organised pharmaceutical *personnel* in the event of a strike, should their various demands be refused; at the last moment, however, the Government has consented to an increase of 200 per cent. on the charges for manipulations, but only on private prescriptions, while the owners have agreed to pay, for the present, a monthly extra allowance of 1,100 cr., to indemnify the high cost of living.

THE REPARATIONS TO ITALY.—In a communication to the Reparations Commission, the Italian Government states that it would be ready to receive from Germany further large amounts of dyestuffs, chemical and pharmaceutical products, etc., as the Italian share in the reparations due from Germany. A commission has been appointed under the Italian Minister of Finance to establish the value of these deliveries. This commission is entrusted with the task of fixing the nature and the amounts of the articles to be demanded, and also to ensure their transport from Germany to Italy.

DUTCH SPIRIT DUTY INCREASED.—The Minister of Finance proposes to increase the taxation of spirits in the Netherlands as follows: (1) The excise duty on spirits is to be increased from 150 florins to 300 florins per hectolitre of 56 per cent. strength. (On spirits imported into the Netherlands, the excise duty is levied in addition to the Customs import duty.) (2) The excise duty on wood spirit (methyl alcohol) is to be increased from 330 florins to 660 florins per hectolitre of 50 per cent. strength. (3) The import duty on wood spirit and all liquids prepared therefrom or mixed therewith is to be increased from 3 florins 37 cents to 6 florins 67 cents per litre. (4) The import duty on all solids containing wood spirit is to be increased from 4 florins 25 cents to 8 florins 40 cents per kilo.

THE NATIONAL PHARMACEUTICAL UNION OF SPAIN, recognised as a corporation by a Royal order in 1915, has presented a declaration to the Prime Minister which begins with a protest against the impunity with which the laws regulating the practice of pharmacy are habitually being violated. It goes on to state: "It is very unfortunate that we should have to request as an act of grace the fulfilment of the laws, but it is still more so that we should have to request these things with an accent of bitterness, and with the feeling of protest that such legitimate demands should have been ignored so long." The second portion of the protest refers to "the systematic ignoring of the pharmacist in connection with all health organisations." The other demands formulated include the elaboration of a new law to regulate the exercise of pharmacy, a reform of the pharmaceutical curriculum, the introduction of a thorough and effective inspection of pharmacies, and of those establishments from whence inroads into the practice of pharmacy are to be feared. The National Union is, in this way, giving effect to the resolutions passed at the recent annual meeting held at Toledo, and it is a sign that Spanish pharmacists have abandoned their former apathetic attitude towards the known abuses in the profession.

WAILING GERMANS.—The "Pharm. Zeit." (No. 73, 1920) writes that up to recently it had been possible for German firms to make large transactions in chemical and pharmaceutical products in Italy, but since then business with Germany has dropped to practically nothing, especially in aniline dyes, since the prices demanded by German firms are higher than those quoted by English and French houses. "The fact is not without interest that England and France are exporting, particularly to Italy, the surplus of those chemicals which Germany has to deliver in accordance with the Peace Treaty, under English and French labels, and are offering them at lower prices than quoted by the German agents. Another important factor is that, in consequence of their engagements under the Peace Treaty, the large German chemical factories are unable to supply goods to Italy, and offers of these first-class German firms made in Italy emanate from 'wanglers' (*Schieber*). In this way the business in chemical products, which formerly lay almost exclusively in German hands, is now passing to English and French, and to a certain degree, also, American firms." The German Press appears to be full of lamentations and whines at the present time.

JAPANESE TARIFF CHANGE.—The Japanese Diet has passed a measure to amend the Customs tariff and prevent dumping. Among the revised rates of duty are the following, which have been in force since August 1. Additions to the text of the former tariff headings are indicated by italic type:

Articles	Rate of Import Duty: Former		Rate of Import Duty: New	
	Yen	Sen	Yen	Sen
Ergot of rye	14	30	free	
Cloves	6	10	free	
Salicylic acid *and acetylsalicylic acid*	11	60	35% *ad val.*	
[Picric acid]—this item is deleted	[20% *ad val.*]		—	
Salicylate of soda *and salicylate of sodiotheobromine*	14	10	35% *ad val.*	
	per litre		per litre	
Alcohol	0	73	1	00
	per 100 kin			
Antifebrin	11	00	35% *ad val.*	
Coal-tar derivatives except carbolic acid, salicylic acid, bakelite and medicines and essences other than benzaldehyde, nitrobenzol and nitrotoluol	—		35% *ad val.*	
[The heading formerly was—Aniline salt or hydrochlorate of aniline	2	75	—	
	per litre		per litre	
Alcoholic medicinal preparations	0	73	1	00
	per 100 kin			
Artificial indigo:				
1. Dry	0	00	20% *ad val.*	
2. Liquid or in paste ..	20% *ad val.*			
Coal-tar dyestuffs not otherwise provided for	—		35% *ad val.*	
[The heading formerly was—Alizarin dyes, aniline dyes and other coal-tar dyes, not otherwise provided for			—	
	per 100 kin			
	7	00		
Platinum, *iridium, osmium, palladium, rhodium, indium, and ruthenium*	—		free	

Legal Reports.

A Question of Warranty.—At Ashton-under-Lyne Police Court, recently, Ethel Scott, 22 Duke Street, and William Lomas, 6 Oldham Road, were summoned, under the Sale of Food and Drugs Acts, for selling camphorated oil not of the nature, substance, and quality demanded. It was stated for the prosecution that the oil was required to be olive oil, but in these cases a mineral oil was used. The defendants had been supplied by a firm of wholesale druggists, and on each bottle the oil was described as "Genuine B.P." There was no intention on the part of the defendants to defraud, but they had committed a technical offence by selling. They pleaded "Guilty." The magistrates' clerk said they should have had a warranty from the wholesalers. A fine of 2*l.*, including costs, was imposed in each case.

Boric Ointment Case.—At Ashton-under-Lyne Police Court, recently, Charles H. Hague (Hague Drug Co., Ltd.), Old Street, was summoned for selling boric ointment not of the nature, substance, and quality demanded. Evidence was given that an inspector visited the shop and asked for two sixpenny boxes of the ointment. The defendant said he did not sell it, but, after being threatened, produced two boxes. He had previously stated it was not up to "B.P. standard," and when analysed it was found to be deficient in boric acid to the extent of 33 per cent. The defendant told the Bench that he made the ointment for his own use, and not for sale, and sold the boxes under protest. He had been in business as a druggist for the last forty years, and this was the first complaint. A fine of 5*l.*, including costs, was imposed.

Arbitration Case.—Justices Rowlatt and Bailhache, sitting as a King's Bench Divisional Court, had before them on January 11 a motion to set aside the award of a legal arbitrator in the case of Smith *v.* Meggeson & Co., Ltd., manufacturing chemists. Mr. Croom Johnson, moving on behalf of Messrs. Meggeson, said they sought to have the award set aside on the ground of technical misconduct in the form of the refusal by the arbitrator to state a special case. The whole question involved in the arbitration was as to the proper construction of an agreement between the parties under which Messrs. Meggeson were to take from the respondent, Mr. Sam Smith, chemist and druggist, High Street, Tonbridge, the maker, a certain quantity of a preparation called "Weno," which was a face or skin cream. The agreement involved very considerable obligations upon both sides, and was for ten years, the intention being that Messrs. Meggeson should work up the trade in this article. The substantial question debated in the arbitration was whether there was, in the contract as it was framed, a binding obligation upon Messrs. Meggeson to take a certain quantity per week or only to take a certain quantity of the preparation spread over a period of ten years. Respondent's case was that Messrs. Meggeson had committed a breach of the agreement by failing to take not less than one gross lb. per week. He claimed 1,200*l.* damages for the first eighteen months, and the arbitrator awarded him 600*l.* on one head and 10*l.* on another. He (counsel) asked the arbitrator to state his award in the form of a special case, but he had declined to do so. The parties were still working under the contract, and it was necessary they should know what their rights were. Mr. W. A. Wardley opposed the application. Their lordships remitted the award to the arbitrator, with directions that he should state a consultative case under Section 19 of the Arbitration Act.

Trade-names Dispute. — Judgment was pronounced on January 5 by Lord Hunter in the Court of Session, Edinburgh, in an action in which George Walker & Son, Ltd., manufacturing chemists, Reid Street, Bridgeton, Glasgow, sought to restrain Robert Kego and Mrs. Kego, chemist and druggist, 18 Stirling Drive, Burnside, Rutherglen, from in any way advertising or selling any chemical or medicinal goods under the names of "Eusalax," "Eusaline," "Voodoo Sauce," "Eusalitz," "Salitz," and "Hedery," or otherwise representing that they are, or either of them is, the persons or person entitled to the names. The respondent Robert Kego was the plaintiffs' manager until November 1919, when his engagement was terminated. The other respondent is his wife. The plaintiffs stated that after the termination of R. Kego's employment with them they ascertained that he had without their knowledge or authority procured the registration as trade-marks in his own name of the various names mentioned, which names had been suggested by him and approved by the directors of the plaintiffs' company as names for preparations to be manufactured and sold by the plaintiffs. The plaintiffs accordingly raised an action in the Court of Session against Mr. Kego to have it declared that the trade-marks were their property. On May 22, 1920, Lord Blackburn found and declared that the trade-marks consisting of the names in question were the property of the plaintiffs and directed that each of the entries should be expunged from the Register of Trade-marks (*C. & D.*, I., 1920, p. 714). In March 1920 (plaintiffs further stated) the respondents, under the name of the "Eusaline Co.," issued to chemists and others, including the plaintiffs' customers, a circular in which they solicited orders for what they described as "our preparations, Eusaline, Eusalax, Eusalitz, Voodoo Sauce, and Hedery powders." The names were those registered as trade-marks by Robert Kego and dealt with by Lord Blackburn in the previous action. The plaintiffs maintained that the respondents had no right to use those names in the way in which they were doing. The respondents explained that the recipes from which the various substances described by the names in question were prepared were all invented by Robert Kego. They also alleged that those recipes were known to him alone and were never communicated to the plaintiffs. The plaintiffs did not say they knew the recipes, but alleged that they were made up by the respondent in the course of and as part of his duties as their manager. In a letter dated September 24, 1915, from the plaintiffs to Robert Kego there was a passage as follows: "We also agree to allow you, should you leave our service, to take with you any recipes that may be yours should you desire this." Lord Hunter refused to grant the injunction sought. His lordship said it did not appear to him that, although the plaintiffs had succeeded in their action against the respondent Robert Kego, they were necessarily entitled to get a valid registration in their own name. In his lordship's opinion the plaintiffs could not, until their name was on the Register as the proprietors of the names in question, obtain such rights as registration would have given them. As the names mentioned admittedly applied to preparations made according to a secret process known to the respondents and which they were entitled to use in manufacturing the preparations, his lordship did not think that they could be prevented from putting them on the market under the names by which they were known and had gained a reputation.

Company Pharmacy at the Cape.—In the Supreme Court, Cape Town, before Justices Searle and Van Lyl, on December 3, argument was heard in an application of the Pharmaceutical Society of the Cape Province and others *v.* the Receiver of Revenue, Cape Town, and A. Wood & Co., Ltd., in an application upon notice of motion for an order restraining the first respondent from issuing to second respondent in particular, and to incorporated companies in general, a licence or licences purporting to enable the second respondent, and such other companies, to carry on the profession of chemist or druggist, and restraining the second respondent from carrying on the business of chemist. The first respondent did not oppose the application. Mr. Upington, K.C., for applicants, said that the second respondent was granted a licence under the Ordinance No. 14 of 1916, which provides that a licence may be issued to a company or partnership, provided a qualified druggist is in charge of each place of business. This provision, he contended, is *ultra vires*. So far back as 1830, the necessity for qualification and examination existed (Ordinance No. 82 of 1830). Two qualifications were necessary for a chemist; he had to be duly licensed as a chemist, and he had also to be the

holder of an annual licence under Tariff 15 of Act No. 20 of 1884; see Act No. 34 of 1891. So far as chemists are concerned, this tariff is repealed by Ordinance No. 14 of 1916. The second respondent fills one of these qualifications only—viz., the necessity for an annual licence. The requirements of sections 23 to 25 of the Act of 1891 as to the qualifications of the holder have not been complied with. The Legislature never intended that a partnership of unqualified persons, or a joint-stock company, should carry on the profession of chemist or druggist. If the contention of the respondents be correct, there is nothing to prevent a joint-stock company from carrying on the profession of attorneys through a qualified manager. The business of chemist and druggist includes the compounding, and also the selling, of drugs. Companies are clearly not contemplated in Act No. 34 of 1891. The amending and repealing Act, No. 7 of 1899, made no alteration in the existing law. Section 8 does not open the door to the issue of licences to unqualified persons, but, if read in the light of the remaining provisions of the Act, is meant to deal with the case of a qualified person having several places of business, and enabling him to leave other persons in charge of the various branches. The fact that corporations of unqualified persons have carried on the profession of chemist for many years cannot affect the point at issue. In England, companies have only been granted the right to carry on the business by statute, in which stringent safeguards are laid down. The companies carrying on business as druggists or chemists could not sue in a Court of law for amounts due to them, as they could not produce licences qualifying them to practise. The Legislature intended that the business should be carried on for the benefit of qualified chemists and druggists only. Mr. Bisset, for the second respondent, said that the Act No. 34 of 1891 deals with individuals who should be entitled to exercise the function of a skilled druggist. It does not prohibit companies from carrying on the business. Nor is the Provincial Council prohibited from issuing licences to a company. Practising as a druggist must be distinguished from carrying on the business of druggist. The business for which a licence is granted under Ordinance No. 16 of 1920 must be carried on through a qualified person. There is nothing to prevent a private unqualified person from owning a business which is managed by a qualified person. Justice Searle: It is difficult to see how a licence could have been issued to a company under Act No. 34 of 1871, in view of the definition of a qualified chemist-druggist under that Act. Mr. Bisset: The word "person" does not include a company, according to the Interpretation Act No. 5, 1883, which was in force at the time of the passing of Act No. 34 of 1891. At the time Act No. 34 of 1891 came into force companies were in existence carrying on business as chemists. The Act does not mention them or affect them at all. The meaning which is sought to be given to section 8, Act No. 7 of 1899, is one which would authorise conduct prohibited by Act No. 34, 1891, section 35. The company does not practise within the meaning of Act No. 34, 1891. The inference to be drawn from section 8 of Act No. 7, 1899, is that the shop need not be owned, so long as it is managed by a duly qualified chemist. The contention that it was designed to prohibit a qualified person from carrying on a branch business by an unqualified assistant is unsound, as such a practice would be prohibited by sections 35 and 60 of Act No. 34, 1891. All the Legislature intended was to keep the management of the business in qualified hands; it was not concerned with the ultimate vendor of the goods. The Provincial Council did not act *ultra vires*, in Ordinance No. 16 of 1920, in authorising the issue of a licence to a company. Applicants, moreover, have not shown that they have suffered any damage, and are not, therefore, entitled to the remedy asked for. Mr. Upington, in reply, said: Companies having been excluded from the scope of Act No. 34 of 1891, the onus is on respondents to show that they were included within the terms of Act No. 7 of 1899. The intention of the Legislature was clearly that the whole conduct of the business of a chemist should be in the hands of qualified men. The division of the duties into those of the skilled chemist, and those of the vendor of goods, is not sound. The selling of drugs is within the scope of the profession of chemist. The Pharmacy Board is admittedly the body which should have brought these proceedings, but it has hesitated to do so. Applicants can show a peculiar interest; it is not necessary for us to show pecuniary damage. Applicants are suffering by the competition and, as a class, by the issue of the licence to an unqualified person—namely, a company. Unqualified persons cannot be declared to be qualified by the Provincial Council. The Court reserved judgment.

The Profiteering Act.

Complaint.

KENSINGTON.—At the sitting of the Profiteering Committee on January 10, a complaint was heard against Dyson & Co., chemists, 35 Gloucester Road, S.W.7, in respect of a charge of 14*s.* 6*d.* for a Burroughs Wellcome ammonium-chloride inhaler. Mr. C. H. Kirby (Neve, Beck & Kirby), instructed by the Chemists' Defence Association, Ltd., appeared for the respondents. The complainant stated that on going to Messrs. Barker's, High Street, Kensington, she saw a similar inhaler priced at 5*s.* 6*d.* Mr. Kirby explained to the Committee that the inhaler which formed the subject of the complaint was purchased from Burroughs Wellcome & Co. in October for 12*s.*, less 25 per cent. Messrs. Burroughs Wellcome made their minimum price 10 per cent. above the nominal price—*i.e.* 13*s.* 2½*d.*; but, owing to high expenses in carrying on the business, the respondents were obliged to make the price 14*s.* 6*d.* The profit was 37.9 per cent.; the profit before the war was 43 per cent. He need hardly remind the Committee that the working expenses were considerably more now than they were six or seven years ago. The gross profit on Messrs. Dyson's business as a whole in 1914 was 49 per cent., and the net profit 13 per cent., whereas in 1920 the gross profit was 36.9 per cent. and the net profit 9.7 per cent. Those figures were made out by a chartered accountant. The chairman said he had a letter, which was put before the Committee, from Messrs. Burroughs Wellcome in reply to a query by the respondents, stating that the current price of the inhalers was 12*s.* each, *plus* 10 per cent. Mr. Archibald Dyson, Ph.C., stated in evidence that his price was not a mistake. He could not afford to sell at the minimum price, and, so far as he knew, neither could any of the West-End chemists do so. Before the war he purchased inhalers at 3*s.* 9*d.* net and sold them at 6*s.* 6*d.* He had been able to trace such sales in his books. The Chairman: Were these inhalers you had before the war identical with the one you sold to the complainant?—That is so. Can you account for Messrs. Barker charging 5*s.* 6*d.*?—Yes. They admitted they had made a mistake. I went to Barkers, after the complaint had been made, and bought a similar article at 13*s.* 2*d.* I produce the invoice. Did you make any inquiries about the charge of 5*s.* 6*d.*?—Yes. The manager told me it was a mistake. Mr. Kirby said he thought that Messrs. Barker were obtaining a higher discount because they bought in larger quantities. The Chairman: It is extraordinary that Barkers should charge 5*s.* 6*d.* I think we should have evidence from Barkers. Mr. Kirby said he had no objection to such evidence, but it would only be to admit that they had made a mistake. The question for the Committee was as to whether Messrs. Dyson had made a reasonable charge or not. After consideration, the Chairman said the Committee felt that the complainant was quite justified in lodging the complaint. The Committee must accept Mr. Dyson's statement as to the present and pre-war profit, and therefore the case would be dismissed. A member of the public who was present said he could get dozens of these inhalers at 5*s.* 6*d.* each. The Chairman: Then why didn't you give evidence to that effect?—The man said he could have given the evidence but was not called by the complainant. The Chairman: The case is now closed.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

DISPENSARY (INNERLEITHEN). LTD. (P.C.).—Capital, 300*l*. Objects: To carry on the business indicated by the title. Solicitor: W. S. McKay, 5 Clifton Terrace, Edinburgh.

ALBION BRIDGE CHEMICAL CO., LTD. (P.C.).—Capital, 2,000*l*. Objects: To carry on the business of manufacturers, importers, and exporters of and dealers in chemicals, varnishes, etc. R.O.: Albion Works, Albion Street, Miles Platting, Manchester.

WILLIAM L. HODGSON, LTD. (P.C.).—Capital, 500*l*. Objects: To carry on the business of dealers in drugs, chemicals, patent and other medicines and foods, toilet requisites, stationery, paints, oils, foreign and British wines and cordials, etc. R.O.: 33 Westgate End, Wakefield.

BECKETT & BIRD, LTD. (P.C.).—Capital, 4,000*l*. Objects: To acquire the undertaking and all or any of the assets and liabilities of Longmates, Ltd. (incorporated in 1913), and to carry on the business of manufacturers of and dealers in splints, artificial limbs, and of chemists, druggists, etc. R.O.: 32 New Cavendish Street, London, W.C. 1.

GEORGE GREY & SONS, LTD. (P.C.).—Capital, 5,000*l*. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are: R. T. Weir, 41 St. Anne's Street, Bury; J. Warburton, 49 Rostrons Road, Ramsbottom; and J. Street, Hazelhurst, Ainsworth Road, Ainsworth, near Bolton. R.O.: 25 Garden Street, Bury.

ELLEM IMPORT AND EXPORT TRADING CO., LTD. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of chemical and colour merchants and manufacturers, produce brokers, provision merchants, exporters, importers, chemists, druggists, drysalters, oil and colour men, napthaline makers, etc. Solicitor: F. C. Webb, 20 Corporation Street, Manchester.

ALEXANDER WILSON (BLYTH), LTD. (P.C.).—Capital, 2,000*l*. Objects: To take over the business of a chemist, druggist, optician, and dealer in photographic apparatus and accessories, carried on by A. Wilson at 32 Regent Street, Blyth, as "Alexander Wilson." The first directors are: A. Wilson (permanent), 11 Barnard Street, Blyth, and C. S. Hiles, 112 Gladstone Street, Blyth. R.O.: 32 Regent Street, Blyth.

UNITED MARKETING CO., LTD. (P.C.).—Capital, 50,000*l*. Objects: To carry on the business of mine, well, pipe, and pipe-line owners, oil producers, oil extractors, dealers in mineral and vegetable oils, petroleum, naphtha, benzine, natural gas, bitumen, wax, pitch, ozokerite, shale, ichthyol, and talc, manufacturing and analytical chemists and druggists, oil and colour men, dyemakers, etc. R.O.: Ivy Oilworks, Dumballs Road, Cardiff.

IKELEM INSECT POWDER CO., LTD. (P.C.).—Capital, 1,500*l*. Objects: To adopt an agreement with W. C. Chapman and G. Chapman to develop and carry on the business of manufacturers and providers of powders and preparations for the prevention or extermination of vermin and pests of all kinds, importers and exporters of chemicals, manufacturing chemists, etc. R.O.: 48 Great Eastern Street, London, E.C.

McMYN, SHARPLES & CO., LTD. (P.C.).—Capital, 2,000*l*. Objects: To take over the business of manufacturers of tints and stain-removers carried on by J. W. McMyn and J. Sharples, at Royds Street, Accrington, Lancs, as McMyn, Sharples & Co., and to carry on the same and the business of manufacturers of belting paste and iron cement and dealers in household, domestic, and textile preparations, etc.

JOHN THOMPSON (GAS DEVELOPMENTS), LTD. (P.C.).—Capital, 175,000*l*. Objects: To adopt an agreement with J. Thompson, A. E. Thompson, W. J. Thompson, and S. J. Thompson, to develop and turn to account the patents and inventions referred to therein, and to carry on the business of mechanical engineers, manufacturing chemists, etc., manufacturers of hydrogen, oxygen, nitrogen, petrol, and other gases, etc. R.O.: Ettingshall, Staffs.

ITALIAN COMPANIES AND DIVIDENDS.—Under the name of "Società Laboratorii Chimici Industriali Ingeniere A. Concilio e C.," a new firm has been founded at Salerno, with a capital of 60,000 lire, to manufacture Cologne toilet water, perfumes, and other toilet requisites. In Milan has been founded the new firm of "Società Anonima Commercio Industria Profumerie" (S.A.C.I.P.), Welmett Perfumery, London, with a capital of 300 000 lire in the form of 3,000 shares of 100 lire. At Bari, the new firm of "Milella e Tanco" was formed to trade in perfume products, with a capital of 20,000 lire. At Lucca, near Florence, the new firm "Sliz-Società Lucchese Industria Zolfi," with a capital of 50,000 lire, has been formed for five years for the grinding and merchandise of sulphur. The Centauro Chemical and Blacking Co. is a new firm founded in Milan, and having its headquarters in Via Carlo Poerio 43, for the manufacture of chemicals for boot and shoe works, including liquid and solid waxes, pitch, chevreux, and glacé fillings, etc. The capital is 45,000 lire. With a capital of 130,000 lire, the new pharmaceutical products works, "Stabilimento Chimico Farmaceutico Colonelli e Bordoni," has been founded in Rome for fourteen years. At Treviglio, near Bergamo, Milan, the new firm of "Società Commerciale Fratelli Ravazzi e Colombo" has been formed, with a capital of 120,000 lire, for nine years, to deal in drugs, pharmaceutical products, and essential oils. The "Fabbrica Italiana Profumerie" has been established at Saronno, Como, for the manufacture of artificial and natural perfumes, and toilet goods of all sorts. With a capital of 1,000,000 lire, a firm, known as "Tommaso Benassi e C.," has been founded for the manufacture of cream of tartar and tartaric acid for ten years. The Turin firm, "Talco e Grafite Val Chisone," with a capital of 13,000,000 lire, made a net profit of 1,151,339 lire and paid a dividend of 20 lire per share.

THE UNITED DRUG CO. AND BOOTS.—The "Financial Times" of January 10, in the course of an article dealing with the Boots Pure Drug Co. acquisition by the United Drug Co., says President Liggett has been more than gratified "with the character of the organisation that we found in the Boots Pure Drug Co., which represents the largest proportion of the business of Liggett's International. We have had no friction whatever in welding the executives of the English organisation and our American organisation. The best evidence I can give you of this is that our English sales have increased every week since we took over the business, the smallest week's increase being the week of the coal strike, when everything was at a standstill in England, and that week increased $4,000 over the same week of the previous year. The average weekly increase has been $80,000, and this in spite of the fact that general conditions existing in England have not been conducive to increasing business." Continuing, the "Financial Times" says: "It is significant to notice, however, that despite the large increase in the turnover done by Liggett's International—an increase which is shown by other associated undertakings of the United Drug Co.—the latter parent concern, like so many industrial undertakings in this country, finds the general financial position anything but comfortable. Its cash resources as at September 30 last were $2,416,400 lower than at the corresponding period of 1919, while its open accounts had increased by $4,634,300. In order to augment its working funds it has had to issue $7,500,000 six-months' notes at 92, which can be converted into six-year 8 per cent. notes at any time before next June. The sales of the United Drug Co. for the past year with the figures for the final month estimated, were $70,000,000, which compares with $58,338,800 in 1919, $51,028,300 in 1918, and $40,716,300 in 1917. The figures for last year, it should be noted, do not include any revenue from the holding in Liggett's International. In any circumstances, therefore, the company may be expected to show remarkable results in its next annual report."

Festivities.

Lowestoft Chemists' Social Evening.

A SUCCESSFUL social evening was held on January 5 by the Lowestoft Pharmacists' Association. The President (Mr. S. C. Halliday) and Mrs. Halliday received the guests, who numbered eighty. Whist was commenced at 8 P.M., and after the distribution of prizes by Mrs. Halliday the party adjourned for supper. Dancing then proceeded with enthusiasm till midnight. Mr. Miles Coward acted as M.C.

A Boots' Whist-drive.

A WHIST DRIVE was held by Boots, Ltd., Athletic Football Club (Newcastle-on-Tyne) on January 5. The prize-winners were: *Gentlemen*, first (attaché-case), Mr. Stobbart; second (Eversharp pencil, silver), Mr. Robson; sealed prize, Mr. Morgan. *Ladies*, first, manicure set, Mrs. Walker; second, box of chocolates, Miss Ward; sealed prize, Miss Spoors. Mr. Sanderson, Territorial General Manager, presented the prizes, and afterwards musical items contributed to the enjoyment of the evening.

North London Chemists' Whist-drive.

AN extra whist-drive was held on January 6 at the Progressive Pharmacy Club, at which keen interest was taken in "The Script" tournament. The winners were Mrs. Humphrey, Miss Andrews, Mr. N. Humphrey, and Mr. W. Felton. During the evening a ladies' sewing guild for assisting the Pharmaceutical Benevolent Fund was inaugurated. A sum of money was collected for material, and Mrs. J. Downing acted as the organiser, Mrs. H. Skinner being honorary secretary. They will meet each Tuesday at 3 P.M. at the Progressive Pharmacy Club. Communications should be addressed to Mrs. J. Downing, 296 Archway Road, Highgate, N. 6, and cash contributions to Mrs. H. Skinner, 16 Priory Gardens, Highgate, N. 6.

W. Woodward's Social.

ON December 29 the employees of W. Woodward, Ltd., manufacturers of "Gripe Water," were entertained at Beale's Restaurant, Holloway Road, London, N., at the invitation of the directors. Mr. W. H. Woodward (chairman and managing director) and Mr. E. A. Umney (director) were present, and the company numbered over a hundred. An enjoyable evening was spent, beginning with a concert, to which members of the staff and employees chiefly contributed. Prizes were awarded in "beauty" and "dancing" competitions, and also for the winners of the whist-drive, while everyone gained a present from a "Lucky Dip." After supper Mr. W. H. Woodward, replying to a vote of thanks, spoke of the present need for unity between employers and employed. A dance concluded the programme.

Children's New Year Party.

THE Liverpool Chemists' Association gave, as an experiment, a New Year party, on January 5, at the Royal Institution, to the young sons and daughters of the members and associates. The acceptances numbered ninety, the ages of the guests ranging from eighteen months to eighteen years. Mrs. A. W. Ashcroft, Mrs. W. J. Williams, and other members of the Ladies' Committee contrived that the Christmas-tree should contain a suitable present for each guest. Mr. R. E. Lloyd (Garston) appeared as a typical Father Christmas, who distributed the gifts and finished with a recitation. A fairy with gossamer wings (a daughter of Mr. Joseph Paley) danced charmingly. The success of the function was enhanced by the co-operation of Mr. David H. Evans (retiring President), Mr. W. H. Clubb (President-elect), Mr. A. S. Furniss (hon. secretary), Mr. J. L. Hirst, and others.

Paine & Co.'s Dinner.

ON New Year's Day the directors of Paine & Co., Ltd., manufacturers of "John Bull" Malt Extract, gave the annual dinner to their employees. Mr. A. Wellwood McNish (chairman), who presided over a gathering numbering upwards of 200, spoke of the various interests of the company. With regard to the malt-extract department, which, he said, is now the largest branch of their business, it had made very rapid strides. During last winter they were unable to cope with the demand for malt extract and other preparations, and were compelled to look around in order to increase their output. They had since obtained the factory at Brook Side, St. Neots, which was being developed and fitted with the most up-to-date machinery to enable them to do more business. Various other toasts were responded to, and a concert afterwards followed. Most of the performers were employees, whose contributions to an enjoyable evening were much appreciated.

Pharmaceutical Freemasons' Annual Dinner.

THE Merseyside and Southport Pharmaceutical Freemasons, who have recently formed a union, held the inaugural dinner at the Exchange Station Hotel, Liverpool, on January 12, at which over 100 brethren and ladies were present. The menu, of special design, combined the symbols of pharmacy and masonry. The chairman was W. Bro. D. Roger Rowlands, W.M., P.P.A.G.Sc., who read fraternal greetings from the kindred assembly of pharmaceutical masons at Manchester. W. Bro. Thomas E. Lloyd, in proposing the health of the chairman, remarked that the auspicious inauguration of this Masonic union forecasted its successful future. The chairman said he esteemed it high honour to have been asked to preside on such a remarkable occasion. At present he happened to be Worshipful Master of the first Welsh lodge consecrated in Cheshire. It was suggested that this Masonic union or association might be merged into a pharmacists' Masonic lodge. But he believed that the Grand Lodge of England discouraged the formation of sectional lodges, and personally he thought the bringing together of numerous lodges in the two provinces of West Lancashire and Cheshire in this union would be preferable. The toast of "The Ladies" was acknowledged by Mrs. Moreton Parry, a recent recruit to the ranks of qualified pharmacists, who gave an amusing account of female notions of Freemasonry. Musical and elocutionary items were rendered during the evening.

Business Changes.

MR. W. V. BELL, R.D., Fermoy, has taken over a business in Bailieborough, co. Cavan.

MR. ERNEST HENCHLEY, chemist and druggist, has opened a business at 85 High Street, Hythe.

THE N.V. CHEMISCHE INDUSTRIE "BALMOOR" have removed their chief trade department from Amsterdam to Arnhem, Holland.

MR. T. S. HUDSON, drug-store proprietor, Castleford, has opened a business at the junction of Ferrybridge Road and Pontefract Road.

THE firms of N. D. Saith & Bros. and Siriram Gangaram have amalgamated under the name of S. G. Friends & Co., wholesale and retail druggists, Hall Bazar, Amritsar, Punjab.

MR. R. F. ROPER, Ph.C., Tavistock Road, Plymouth, has taken Mr. John Henry Lewis, chemist and druggist, into partnership. The business will be continued under the style of Roper & Lewis.

MR. E. NEVILLE WILLIAMS, chemist and druggist, has taken over the business of the late Mr. Samuel Jones, chemist and druggist, Holywell, Flintshire. Mr. Williams was on active service for over four years during the war.

STOLL, EARL & CO., LTD., Clive Buildings, Calcutta, announce that Mr. H. J. Borton has been appointed their senior London agent, and will in future act in that capacity in conjunction with Mr. C. F. Thompson. The agency will be conducted under the name of Borton & Thompson at 4 Cullum Street, London, E.C. 3.

The British Industries Fair.

February 21 to March 4, 1921.

Drugs and Druggists' Sundries Section.

THE first British Industries Fair, held in 1915, although a modest affair compared with those of more recent years, was an unqualified success both as regards the attendance of buyers and the total amount of sales made by the exhibitors. Each year has seen developments; the number of visitors has increased; buyers from all parts of the world have come to look upon the Fair as the leading industrial exhibition of the year. Last year all previous records were eclipsed every day during the Fair, the amount of business transacted being more than a million sterling.

The British Industries Fair of 1921 promises to be the greatest in the history of the world's commerce. Before Russia was reduced to her present unhappy condition, Nijni Novgorod had an enormous annual fair. At Leipzig, Germany held her trade show, but now the industry of that country is deeply overshadowed, finance is crippled, and there seems little hope of serious progress for many years to come. The Lyons Fair was, and still is, the great yearly event of French commerce, famous for its highly artistic display of miscellaneous merchandise. From earliest days, London, the home of the Fair of 1921, has been famous rather as a market than as an industrial centre.

The venue of the Fair, which opens on Monday, February 21, and extends to Friday, March 4, is the White City, Shepherd's Bush. Almost unlimited space is available for housing the exhibits, which from year to year have regularly increased, and will, no doubt, this year include the most complete show of British-made goods ever exhibited. Only British manufacturing firms are allowed to enter, and no exhibitor is permitted to display goods other than those of his actual manufacture. The result is that buyers who visit the Fair know that articles identical with those shown on each stand cannot be purchased elsewhere in the Fair. Admittance is restricted to *bona-fide* trade buyers. Exhibitors are, therefore, able to give proper attention to each individual, and the buyer is able to do his business unhampered by crowds of sightseers. The buyer has not the chilling experience of wandering from showroom to showroom. The firms he wishes to interview are all within a few paces of each other, being grouped together. He has no fear of overlooking a firm whose name is not known to him. It is here that the British Industries Fair is so much more valuable to the buyer than the majority of Continental Fairs, since side by side with the firms he knows are the firms whose productions are unknown to him. These firms, although they may be unknown to him to-day, are as important to him as those with which he is already acquainted, for their presence at the Fair shows them to be enterprising and ready to do new business on new lines. Yet another point in which the British Industries Fair is an advance on those organised in various towns on the Continent is that participation is restricted to manufacturers of articles which are suitable for inclusion. At some of the Continental Fairs such articles as locomotives, ordnance, and other products of engineering works have been shown, although it is clear that they are not articles which are purchased by the trade buyer for stock and re-sale. The British Industries Fair can make too good use of the space available, and has too keen an appreciation of the value of the buyer's time to permit the presence of useless exhibits. The buyer has only to study the catalogues of the past Fairs to understand the enormous range of goods displayed at them for his selection. By the time he has inspected the stands of the exhibitors in any one section of the Fair he has seen practically the whole range of British production in that trade.

One very important section of the Fair is that devoted to drugs, fine chemicals, and druggists' sundries, to which a space of considerable magnitude has been allotted for display. Every available stand has already been booked by British manufacturers, who have learned to appreciate the value of their Fair, and there is no doubt that the drugs, chemicals, and druggists' sundries section will be the most complete and comprehensive of its kind ever shown. In the course of a few hours a buyer will be able to inspect and compare the products of what practically amounts to the whole, and certainly the very best, of British productions in these trades. Catalogues are handed gratis to overseas visitors. Their contents, serving as they do as books of reference for the year, and being consulted regularly in all parts of the world, are edited with expert knowledge by the trade officers of the Department of Overseas Trade. Buyers from overseas who wish to visit the Fair should apply as early as possible to the nearest British Consul or Trade Commissioner in their country, from whom they will be able to secure full information. On their arrival in England it would be to their advantage to communicate at once with the Secretary, The British Industries Fair, 35 Old Queen Street, London, S.W. 1, or, should the Fair have commenced, at the White City, Shepherd's Bush, London, W. 14, where they will be sure of a hearty welcome, and all information will be placed at their disposal.

Bankruptcy Report.

Re Reginald Grantham, chemist and druggist, 66 Blossom Street, York.—The public examination of this debtor was held on January 7 at York. The statement of affairs showed gross liabilities of 3,739*l.*, of which 1,907*l.* was expected to rank for dividend, against assets estimated to realise 717*l.* 15*s.* 5*d.* Debtor attributed his position mainly to a judgment given against him in an action at Leeds Assizes, under which he estimated to be liable for about 1,000*l.* He had been ill, and during that period only proprietary articles could be sold, and his work of making up prescriptions was topped. His household expenses from July 1, 1919, were 216*l.*, and the net profit from the business for seventeen months to the date of the receiving order amounted to 201*l.* Debtor stated that he commenced business in November 1910 with 350*l.* capital borrowed from his father. In July 1912 he sold the business for 350*l.*, and moved to his present address, when he obtained further sums from his father in order to enable him to carry on the business and purchase the fittings. The books of account kept consisted of a day book of credit sales, a debtors' ledger, and cash book. The net profit in 1918 amounted to 124*l.* 7*s.* 9*d.*, in 1919 116*l.* 13*s.* 6*d.*, and in 1920 161*l.* 11*s.* 7*d.* Debtor stated that he was not in difficulties until after the judgment in the action against him. The examination was closed.

Gazette.

Partnerships Dissolved.

MORRIS, J., and JONES, E. J., Swansea, Glamorgan, assayers and chemists, under the style of J. S. Merry & Co.

WILSON, E. B., and BISSETT, A. A., 24 Holme Lane, Hillsborough, and 30 Wadsley Lane, Hillsborough, Sheffield, and at Trafalgar House, Halifax Road, Wadsley Bridge, York, surgeons and apothecaries, under the style of Bruce Wilson and Bissett.

Bankruptcy Acts.

RECEIVING ORDER.

LEWIS, T. H., and ASHCROFT, F., 176 Moss Lane East, Manchester, and 5 Chapman Street, Hulme, Manchester, manufacturing chemists, under the style of Lewis & Co.

Dangerous Drugs Act.

DRAFT REGULATIONS.

THE following are the Draft Regulations made by the Secretary of State under **Section 3** of the Dangerous Drugs Act, 1920 (*C. & D.*, September 4, 1920, p. 71), for controlling and restricting the possession, sale and distribution of raw opium.

In pursuance of Section 3 of the Dangerous Drugs Act, 1920, I hereby make the following Regulations:

(1) No person shall supply or procure, or offer to supply or procure, raw opium to or for any person, whether in the United Kingdom or elsewhere, or shall advertise raw opium for sale

(*a*) unless he is licensed by the Secretary of State or is authorised by these Regulations or by any authority granted by the Secretary of State to supply raw opium, or unless he is licensed by the Secretary of State to import or export raw opium, or

(*b*) otherwise than in accordance with the terms and conditions of such licence or authority.

(2) No person shall supply or procure, or offer to supply or procure, raw opium to or for any person, who is not licensed or otherwise authorised to be in possession of raw opium, nor to any person so licensed or authorised except in accordance with the terms and conditions of such licence or authority.

(3) No person shall be in possession of raw opium unless

(*a*) he is licensed to import or export raw opium, or

(*b*) he is licensed or otherwise authorised to supply raw opium, or

(*c*) he is otherwise licensed by the Secretary of State, or authorised by these Regulations or by any authority granted by the Secretary of State, to be in possession of raw opium.

(4) Every person who supplies raw opium shall comply with the following provisions:

(*a*) He shall enter, or cause to be entered, in a book kept for the purpose, all supplies of raw opium purchased or otherwise obtained by him, and all dealings in raw opium effected by him (including sales to persons outside the United Kingdom) in the form and containing the particulars shown in the schedule to these Regulations;

(*b*) he shall make the entry with respect to any raw opium purchased or otherwise obtained by him on the day on which it is received, and with respect to any sale or supply by him of raw opium on the day on which the transaction is effected;

(*c*) where he carries on business at more than one set of premises he shall keep a separate book in respect of each set of premises;

(*d*) he shall keep the book in some part of the premises to which it relates, so that it shall at all times be available for inspection;

(*e*) he shall not cancel, obliterate, or alter any entry in the book or make therein any entry which is untrue in any particular. Any mistake in an entry may be corrected by a marginal or foot note giving the correct particulars and dated.

(5) Any duly qualified medical practitioner or any person lawfully keeping open shop for the retailing of poisons in accordance with the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, or any person employed or engaged in dispensing medicines at any public hospital or other public institution, being a person duly registered under the Pharmacy Act, 1868, or any registered veterinary surgeon, is hereby authorised, so far as is necessary for the practice of his profession or employment, to be in possession of and supply raw opium, but subject always to the provision of the foregoing Regulation.

(6) In the event of any person authorised by these Regulations or by any authority granted by the Secretary of State to be in possession of or supply raw opium, being convicted of an offence against the Act or an offence under the enactments relating to the Customs as applied by the Act, the Secretary of State may by notice in the "Gazette" withdraw the authority aforesaid in respect of such person, if in the opinion of the Secretary of State such person cannot properly be allowed to be in possession of, supply or deal in raw opium.

(7) No person shall deliver any raw opium to any person not licensed or otherwise authorised to be in possession of raw opium for or on behalf of a person so licensed or authorised unless such person produces an authority in writing, signed by the person so licensed or authorised, to receive the raw opium on his behalf, and unless the person supplying the raw opium is satisfied that the authority is genuine.

(8) Raw opium in the order or disposition of any person shall, for the purpose of these Regulations, be deemed to be in his possession.

(9) In the application of these Regulations to Ireland a reference to the Poisons (Ireland) Act, 1870, the Pharmacy (Ireland) Act, 1875, and the Pharmacy (Ireland) Act, 1875 (Amendment) Act, 1890, shall be substituted for any reference to the Pharmacy Act, 1868.

SCHEDULE.

(*a*) Record of raw opium purchased or otherwise obtained:

Date on which supply received	Name of person, body or firm from whom obtained	Address of person, body or firm from whom obtained	Amount obtained	Form in which obtained, *i.e.* raw, powdered or granulated

(*b*) Record of raw opium sold or supplied:

Date on which the transaction was effected	Name of person, body or firm to whom sold or supplied	Address of person, body or firm to whom sold or supplied	Authority of person, body or firm to be in possession of raw opium	Amount sold or supplied	Form in which sold or supplied, *i.e.* raw, powdered, or granulated

The following are the Draft Regulations made by the Secretary of State under **Section 7** of the Dangerous Drugs Act, 1920 (10 & 11 Geo. V., ch. 46), for controlling the manufacture, sale, possession, and distribution of morphine, cocaine, ecgonine, and diamorphine (commonly known as heroin), and their respective salts, and medicinal opium, and preparations and substances containing not less than one-fifth per cent. of morphine or one-tenth per cent. of cocaine, ecgonine, or diamorphine.

In pursuance of Section 7 of the Dangerous Drugs Act, 1920, I hereby make the following Regulations:

APPLICATION.

(1) The drugs to which these Regulations apply are morphine, cocaine, ecgonine, and diamorphine (commonly known as heroin), and their respective salts, and medicinal opium and any preparation, admixture, extract, or

other substance containing not less than one-fifth per cent. of morphine or one-tenth per cent. of cocaine, ecgonine, or diamorphine.

For the purpose of the foregoing provision the percentage in the case of morphine shall be calculated as in respect of anhydrous morphine.

MANUFACTURE.

(2) No person shall manufacture or carry on any process in the manufacture of morphine, cocaine, ecgonine, or diamorphine, or their respective salts or medicinal opium

(*a*) unless he is licensed by the Secretary of State or is authorised by these Regulations or by any authority granted by the Secretary of State to do so, or

(*b*) except on premises licensed for the purpose by the Secretary of State, or

(*c*) otherwise than in accordance with the terms and conditions of such licences or authority.

SALE, DISTRIBUTION, AND POSSESSION.

(3) No person shall supply or procure, or offer to supply or procure, any of the drugs to or for any person, whether in the United Kingdom or elsewhere, or shall advertise any of the drugs for sale

(*a*) unless he is licensed by the Secretary of State or is authorised by these Regulations or by any authority granted by the Secretary of State to supply the drug, or unless he is licensed by the Secretary of State to import or export or manufacture the drug, or (*b*) otherwise than in accordance with the terms and conditions of such licence or authority.

(4) Except when the drugs are lawfully dispensed in pursuance of a prescription given by a duly qualified medical practitioner in accordance with the conditions hereinafter specified, no person shall supply or procure or offer to supply or procure the drugs to or for any person in the United Kingdom who is not licensed or otherwise authorised to be in possession of the drug, nor to any person so licensed or authorised except in accordance with the terms and conditions of such licence or authority.

The Secretary of State may grant an exemption from this Regulation in respect of the dispensing of drugs at any public hospital, or on board ship by the master of the ship, in accordance with instructions approved by the Board of Trade.

(5) A prescription for the use of the drugs must be given by a duly qualified medical practitioner, and must comply with the following conditions :

The prescription must be in writing, must be dated and signed by the medical practitioner with his full name and address and qualifications, and marked with the words "Not to be repeated," and must specify the total amount of the drug to be supplied on the prescription, except that in the case of prescriptions issued for National Health Insurance purposes on the form provided by the Insurance Committee the medical practitioner's address and qualifications and the words "Not to be repeated" need not be marked on the prescription.

A medical practitioner shall not give any prescription for the supply of the drugs otherwise than in accordance with the foregoing conditions.

(6) The following conditions shall be observed by persons (including any medical practitioner) dispensing prescriptions for the drugs :

(*a*) The drugs shall not be supplied more than once on the same prescription.

(*b*) The prescription shall be marked with the date on which it is dispensed, and shall (unless issued for National Health Insurance purposes on the form provided by the Insurance Committee) be retained by the person, firm, or body corporate by whom the prescription is dispensed, and shall be kept on the premises where it is dispensed.

(*c*) The ingredients of the prescription so dispensed, with the name and address of the person to whom it is supplied or delivered, shall be entered in a book specially set apart for this sole purpose and kept on the premises where the prescription is dispensed, so that it shall at all reasonable times be available for inspection.

(7) No person shall be in possession of any of the drugs unless

(*a*) he is licensed to import or export the drugs; or

(*b*) he is licensed or otherwise authorised to manufacture or supply the drug; or

(*c*) he is otherwise licensed by the Secretary of State or authorised by these Regulations or by any authority granted by the Secretary of State to be in possession of the drug; or

(*d*) he proves that the drugs were supplied on and in accordance with such a prescription as aforesaid.

(8) No person shall sell any article into the composition of which any of the drugs enters in a package or bottle which has not plainly marked on it the amount of the drug in the article and the total amount in the package or bottle, and in the case of solutions the amount and percentage of the drug in the solution.

(9) Every person who supplies any of the drugs, including any medical practitioner, shall comply with the following provisions :

(*a*) He shall enter or cause to be entered in a book kept for the purpose all supplies of the drug purchased or otherwise obtained by him, and all dealings in the drug effected by him (including sales to persons outside the United Kingdom), in the form and containing the particulars shown in the schedule of these Regulations.

(*b*) Separate books shall be kept for (*a*) cocaine and ecgonine and substances containing them, (*b*) morphine and substances containing it, (*c*) diamorphine and substances containing it, (*d*) medicinal opium.

(*c*) He shall make the entry with respect to any of the drugs purchased or otherwise obtained by him on the day on which the drug is received, and with respect to any sale or supply by him of the drug on the day on which the transaction is effected.

(*d*) Where he carries on the business at more than one set of premises he shall keep a separate book or books in respect of each set of premises.

(*e*) He shall keep the book or books in some part of the premises to which it relates, so that it shall at all reasonable times be available for inspection.

(*f*) He shall not cancel, obliterate, or alter any entry in the book, or make therein any entry which is untrue in any particular. Any mistake in an entry may be corrected by a marginal or foot note, giving the correct particulars and dated.

(*g*) He shall furnish to the Secretary of State or to any person authorised by any order of the Secretary of State for the purpose all information in regard to any purchases by him of the drugs, all stocks held by him of the drugs, and all transactions effected by him in the drugs, as may be required by the Secretary of State for the purpose of seeing that the provisions of the Act are observed.

(10) Any person lawfully keeping open shop for the retailing of poisons in accordance with the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, is hereby authorised

(*a*) to manufacture at the shop in the ordinary course of his retail business any preparation, admixture, or extract of any of the drugs;

(*b*) to carry on at the shop the business of retailing, dispensing, or compounding the drugs, but subject always to the provisions of these Regulations.

In the event of any such person being convicted of an offence against the Act, or of an offence under the enactments relating to the customs as applied by the Act, the Secretary of State may by notice in the "Gazette" withdraw the authority aforesaid if, in the opinion of the Secretary of State, such person cannot properly be allowed to carry on the business of manufacturing or selling or distributing, as the case may be, any such drug; provided that the Secretary of State shall, before withdrawing the authorisation in the case of any such person, consult the Council of the Pharmaceutical Society of Great Britain.

(11) Any duly qualified medical practitioner or any registered dentist, or any registered veterinary surgeon, or any person employed or engaged in dispensing medicines at any public hospital or other public institution,

being a person duly registered under the Pharmacy Act, 1868, is hereby authorised, so far as is necessary for the practice of his profession or employment, to be in possession of and supply the drugs.

(12) In the event of any person authorised by these regulations or by any authority granted by the Secretary of State to manufacture, supply, or be in possession of the drugs, or any of them, being convicted of an offence against the Act or of an offence under the enactments relating to the Customs as applied by the Act, the Secretary of State may by notice in the "Gazette" withdraw the authority in respect of such person if, in the opinion of the Secretary of State, such person cannot properly be allowed to manufacture, supply, or be in possession of any such drug.

(13) No person shall deliver any of the drugs to any person not licensed or otherwise authorised to be in possession of the drugs for or on behalf of a person so licensed or authorised unless such person produces an authority in writing, signed by the person so licensed or authorised, to receive the drug on his behalf and unless the person supplying the drug is satisfied that the authority is genuine.

(14) Any of the drugs in the order or disposition of any person shall be deemed to be in his possession.

(15) In the application of these Regulations to Ireland :

(*a*) A reference to the Poisons (Ireland) Act, 1870, the Pharmacy (Ireland) Act, 1875, and the Pharmacy (Ireland) Act, 1875 (Amendment) Act, 1890, shall be substituted for any reference to the Pharmacy Act, 1868, and

(*b*) a reference to the Pharmaceutical Society of Ireland shall be substituted for the reference to the Pharmaceutical Society of Great Britain.

SCHEDULE.

(*a*) Record of { Morphine, etc. / Diamorphine (Heroin), etc. / Cocaine, etc. / Medicinal Opium } purchased or otherwise obtained.

Date on which supply received	Name of person, body, or firm from whom obtained	Address of person, body or firm from whom obtained	Amount obtained	Form in which obtained

(*b*) Record of Morphine, etc. / Diamorphine (Heroin), etc. / Cocaine, etc. / Medicinal Opium sold or supplied.

Date on which the transaction was effected	Name of person, body or firm to whom sold or supplied	Address of person, body or firm to whom sold or supplied	Authority of person body or firm to be in possession of the drug	Amount sold or supplied	Form in which sold or supplied	When sale is on a prescription, specify the ingredients of the prescription

The Pharmaceutical Society's Protest.

SIR WILLIAM GLYN-JONES, secretary of the Pharmaceutical Society of Great Britain, forwards us the following correspondence between the Society and the Home Office :

From the Pharmaceutical Society (*December* 6, 1920).

I am instructed by the Council to express their thanks to the Secretary of State for having given them the opportunity of perusing the preliminary draft of Regulations under Sections 3 and 7 of the Dangerous Drugs Act. They have carefully considered the proposed Regulations in detail.

The Act (Section 7 (2)) enacts that the Regulations shall provide for any person lawfully keeping open shop for the retailing of poisons to carry on at the shop the business of retailing as well as of dispensing or compounding any drug coming within its provisions. The words "retailing, dispensing, and compounding" were taken from the Pharmacy Act, and they denote separate functions. As the Regulations are drawn, so far from providing for the retailing of the drugs coming within the scope of the Act, they forbid their being retailed, and confine the transactions in the drugs to those coming within the term "dispensing." The Council maintain that the Act does not contemplate the restriction of the supply of the drugs coming within the scope of the Act to articles prescribed by medical practitioners.

Apart, however, from the foregoing objection, it is maintained that the evil aimed at by the Act will not be removed by preventing sales, whilst allowing doctors to supply any of the drugs in however potent a form provided they write a prescription. For instance, there are doctors who keep open shop for the sale of poisons, and as far as we understand the Regulations there is nothing to prevent a person obtaining at such a shop as much cocaine or morphine as he desired, provided that for each transaction the doctor wrote out a prescription.

In the case of a drug which is in the opinion of the Home Office of such a character that it should not be supplied without the intervention of a doctor, the mischief aimed at by the Act and Regulations cannot be effectively prevented unless the person who writes the prescription is himself prohibited from supplying the article. The person who does, in fact, supply it should act on his own behalf, and not as agent or servant of the prescriber.

The intervention between the prescriber and consumer of a third party responsible for keeping the records and the actual supply of the article is essential. I am to point out the bearing on this point of my letter of November 18, 1920, relating to the separation of the functions of prescribing and dispensing.

Provided the Regulations are made effective for preventing the evil, the Society would submit to any necessary measure of control and restriction upon the rights of pharmacists as they at present exist. On the other hand, it is unreasonable to expect pharmacists to acquiesce in stringent restrictions upon the conduct of business and the removal of rights especially conferred on them by Statute if so large a gap in the precautions taken is allowed as would permit of the supply by doctors in their own shops and surgeries of the drugs which are to be the subject of the Regulations. The extent of the interference with the business of pharmacists is realised when the list (attached) of the best-known preparations coming within the Regulations is examined—*e.g.*, no member of the public could purchase a Dover's Powder from a pharmacist without first consulting a doctor, and when the doctor sees him he may not only charge him a fee for consultation, but himself supply the powder at such a rate of profit to him as he himself may impose.

Again, if the Regulations are to be adequate, and are imposed on doctors who themselves supply the drugs, we think the busy practitioner will find them too irksome to comply with, and infringements will be difficult, if not impossible, to detect.

In all the circumstances we respectfully suggest that before further considering these draft Regulations the Home Office or the Ministry of Health should set up a Committee to deal with the matter raised in my letter of November 18. That Committee could get to work at once, and in the light of its investigations and of its recommendations, these draft Regulations could be completed. The position has been somewhat altered since the Bill passed in the direction which makes it easier to defend the slight delay which would occur by adopting the course above indicated—namely, on the initiative of the Society all the articles in the attached list will come within the provisions applicable to Part I. of the Schedule to the Pharmacy Act, and the consent of the Privy Council to this alteration in the Schedule was notified in the "Gazette" of the 3rd inst.

The Council has appointed a Sub-Committee for the purpose of placing before you their suggestions in regard to the Regulations, but in view of the fact that they are satisfied the Regulations cannot be made effective unless the fundamental defect I have referred to is remedied, they would like to know at this stage the opinion of the Secretary of State upon the points we have raised in this letter.

[The list referred to consists of the titles of preparations containing cocaine, diamorphine, and opium compounds mentioned in the British Pharmacopœia and the British Pharmaceutical Codex.]

The Home Office Reply (January 7).

I have laid before the Secretary of State your letter of the 6th ultimo in regard to the preliminary draft Regulations under Sections 3 and 7 of the Dangerous Drugs Act, 1920, and I am directed by him to say that he is unable to admit the contention of the Society that, in view of the provisions in Sub-section 2 (*b*) of Section 7 of the Act, it would be *ultra vires* to provide in the Regulations that none of the drugs to which that Section applies shall be sold except on a doctor's prescription. The Section gives a general power to make Regulations for controlling the sale and distribution of the drugs, and further provides in Sub-section 1 (*b*) (but without prejudice to the generality of the power mentioned) for the sale of the drugs by the licensed or authorised persons to be subject to conditions. In the opinion of the Secretary of State it is clear that the provision in Sub-section 2 does not exempt the persons referred to from the provisions of Sub-section 1, and that the authorisation to be given in pursuance of Sub-section 2 is subject to any Regulations that may be made under Sub-section 1 for controlling the sale and distribution of the drugs. He may point out that if the contention of the Society were well founded there would be no power to continue the present prohibition of the sale of cocaine except on a doctor's prescription. The provision requiring the prescription is, in the opinion of the Secretary of State, one of the most important provisions for checking the abuse of the drugs.

He may remind the Society that Sub-section 2 was inserted in the Bill as the result of negotiations between the Home Office and the Society in order to meet the objection taken by the Society that the Bill as it stood could allow discrimination between one chemist and another. So far as the Secretary of State is aware no suggestion was made in the course of negotiations that the right of the chemists to retail preparations containing the drugs should be unrestricted.

With regard to the suggestion in the last paragraph but one of your letter, I am to say that it will not be possible to delay the Regulations for such an inquiry as proposed. The powers under the Defence of the Realm Regulations 40B will probably lapse shortly, and it is necessary that the Regulations should be brought into force at an early date.

The Secretary of State is now formally issuing the Regulations in draft as required by the Rules Publication Act, 1893, and any representations on details that the Society may wish to make will be considered carefully before the rules are finally made. I enclose copies of the drafts as they are being issued.

Almanacs and Calendars.

CARNEGIE BROS., manufacturing chemists, 227-229 Essex Road, London, N. 1, send out a combined diary and blotting-pad (11 inches by 16 inches), the diary containing postal and other information. This is a convenient and elegant desk accessory.

A CALENDAR has reached us from Beli Ram & Brothers, manufacturing chemists, Lohar Chawl Street, Bombay. It is of the day-by-day type, modelled on lines to which we are accustomed in this country, and well adapted for shop or office use.

BUSH, BEACH & GENT, INC., chemical merchants, New York, and 10 Union Court, London, E.C. 2, issue a wall-calendar (15 inches by 10 inches); the tear-off portion is printed with the maximum of clearness. Small figures in one corner of each space indicate the day of the year.

THE NEW SILVER COINAGE.—Mr. J. F. Toye (Mond Nickel Co., Ltd.), in a letter to the Press, corrects a popular impression that the main, or sole, ingredient of the alloy used in the new silver coins is nickel. The letter concludes: "We would hazard a guess that the quantity of nickel in the new coins is very small, probably not more than 10 per cent., and that not far short of 40 per cent. of the alloy is copper. It would, of course, be this copper that is responsible for the yellowish appearance of the coins. A coin of pure nickel never is and never becomes yellow, because the metal is particularly resistant to oxidation." On inquiring at the Mint on the following day, a "Morning Post" representative was informed that the coinage is composed of: Silver, 500 parts; copper, 400 parts; nickel, 100 parts.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, London, on January 4, the President (Mr. E. Saville Peck) in the chair. There were also present Messrs. H. Finnemore, E. M. Holmes, F. Ransom, and G. Whitfield (Vice-Presidents), Mr. D. Lloyd Howard (treasurer), Messrs. E. T. Brewis, F. W. Crossley-Holland, H. Deane, and A. R. Melhuish, with Messrs. R. R. Bennett and C. H. Hampshire (secretaries). Mr. Bennett reported that a letter had been received from Mr. W. F. Wells, who stated that he would be unable to attend the annual meeting in Scarborough, as he was shortly leaving home for a visit to South Africa. The secretaries were asked to write to Mr. Wells to convey the Executive's best wishes for a pleasant journey.

A report of the joint meeting of the Research Sub-Committee and delegates from the Council of the Pharmaceutical Society, held at 17 Bloomsbury Square, on October 27, regarding Mr. Kirkby's scheme for pharmaceutical research was submitted. Mr. Bennett referred to the resolution passed at this meeting, and stated that a letter embodying the resolution had been forwarded to the Ministry of Health, and that this had been acknowledged by Dr. Addison's private secretary, but no further communication had so far been received.

Mr. Hampshire reported that 546*l.* had been received up to January 3 for the Harrison Memorial Fund, but there would probably be further donations later, as some of the local Associations had not yet forwarded their collections; also the fact of the limit of 1*l.* 1*s.* having been removed would probably bring in further contributions from pharmacists who had already subscribed. The President invited the members to state their views as to the best means of using the money collected, and these were noted for the guidance of the committee in existence for dealing with the fund.

Reference was again made to the desirability of publishing a general index to the Year Book of Pharmacy. Mr. Bennett read extracts of a letter received from Mr. Braithwaite on the matter, who thought it inadvisable to publish a general index at the present time, and after discussion it was decided to bring the subject forward at the next meeting of the Executive Committee.

Mr. F. W. Crossley-Holland reported that since the last meeting of the Executive Committee he had made inquiries as to the advisability of holding a trade exhibition during the annual meeting, but had come to the conclusion that the idea should be dropped. The Executive unanimously agreed to this course.

MEMBERS ELECTED.

The following were elected: Mr. S. K. Crews (London), Mr. R. V. Acharya (Baroda), Mr. Morris W. Stranack (Durban), Mr. Robert Hunter (Aberdeen), Mr. D. B. Dott (Musselburgh), Mr. H. Goodson (Bradford), Mr. J. W. Atkinson (Birmingham), Mr. W. S. Cooper (Hull), Mr. A. G. Lunan (Calcutta), Mr. C. Dean (Bury), Mr. H. Holt (Rochdale), Mr. R. Sharples (Bridlington), and Mr. E. M. Chapman, Mr. H. M. Kelsey, Mr. F. A. Lund, Mr. R. C. Brown, Mr. H. E. Hunt, Mr. A. Scott, Mr. G. H. Meadley, Mr. W. H. Newton, Mr. T. E. Longdon, and Mr. A. Oglesby (Scarborough).

Mr. Bennett read a letter received from the Imperial Institute thanking the Conference for a copy of the paper on "'Grey' Cinchona Bark," by Messrs. Bernard F. Howard and Oliver Chick, and stating that the paper was of much interest and would be useful for reference. A letter from Col. W. T. Grice was read, in which he nominated Mr. H. W. Thomas, F.C.S., of Calcutta, as his successor as honorary secretary for Bengal. The secretaries reported that they had communicated with Mr. Thomas, who had agreed to accept office, and the Executive Committee unanimously confirmed his election.

THE Skipton and district Insurance Committee has been disbanded.

Marriage.

BRYSON—STIRLING.—At Glendhunan, Dunoon, on January 6, by the Rev. W. Howie, B.D., minister of the parish, John Macfarlane Bryson, M.P.S., Haddington, to Janet Kininmont, daughter of Mr. Daniel Stirling, Glendhunan.

Deaths.

ANGUS.—At his residence, Regent Street, Lancaster, on January 9, of pneumonia, Mr. Robert Smith Angus, chemist and druggist, 24 St. Nicholas Street, aged forty-nine. Mr. Angus served his apprenticeship in Dunbar, of which town he was a native. After gaining further experience with Duncan, Flockhart & Co., Edinburgh, he qualified in 1892. Engagements at Bradford and Scarborough followed, and eventually, twenty-one years ago, he was persuaded by his friend, Mr. J. B. Shattock, to take over the business of Mr. W. Wyatt, Stonewell, Lancaster. This he developed successfully, removing later to larger premises. Mr. Angus was a popular member of the Lancaster and District Pharmacists' Association, and held the office of treasurer for several years. He was an adept at arranging social functions, and an energetic member of the Committee. In recent years he had expanded the wholesale side of his business. Mr. Angus was twice married; he is survived by a widow and a daughter.

DANIEL.—At his residence, 91 Talbot Street, Nottingham, on December 28, 1920, Mr. Edward Daniel, chemist and druggist, aged seventy-six. Mr. Daniel qualified in 1868. During the seventies he joined the representative staff of Barron, Harveys & Co., and for some years shared an Eastern counties ground with one of the partners, the late Mr. Charles Harvey. Sociability was an asset of the successful traveller in those days, and Mr. Daniel's gifts in that direction ensured him a constant welcome. He retired last year, after having represented the firm and The British Drug Houses, Ltd., in which it was merged, for upwards of forty-three years.

GREATREX.—At 6 Earlston Road, Wallasey, on December 21, 1920, Mr. Henry Greatrex, chemist and druggist and dentist, aged seventy-five. Mr. Greatrex was in business in Monument Road, Birmingham, for the greater part of his life as a pharmacist and dentist. He retired some years ago, still retaining, however, a close interest in the world of pharmacy, and enjoying an exchange of views with his old colleagues. Not gifted with robust health, he took no active part in public affairs. He was unmarried.

HAMILTON.—At 59 Kirkgate, Leith, on January 6, Mr. Andrew Hamilton (Smith & Bowman, chemists, 3 Duke Street), aged sixty-one. Mr. Hamilton, who was the son of the late Mr. James Hamilton, Kirkcolm, entered his business in 1881 as an assistant, and subsequently became a partner. He leaves a widow.

HARVEY.—At 88 Coleherne Court, South Kensington, London, S.W. 5, on January 9, of heart failure, Mr. Edward Key Harvey, eldest son of the late Mr. Edward Harvey (Barron, Harveys & Co.) and brother of Mr. Roger M. Harvey, a director of The British Drug Houses, Ltd., aged fifty-three.

MILNE.—At 71 Desswood Place, Aberdeen, on December 28, 1920, Florence Rebecca, wife of Mr. Joseph Milne, drug-departments manager, Northern Co-operative Society.

PERKINS.—At 67 Kingshall Road, Beckenham, on December 29 1920, Mr. Thomas James Perkins, chemist and druggist aged seventy-one.

RAINY-BROWN.—At a nursing home in Edinburgh, on January 9, suddenly, Mr. David Rainy-Brown, F.R.S.E. (J. F. Macfarlan & Co., manufacturing chemists, Abbeyhill, Edinburgh, and Moor Lane, London, E.C. 2), only son of Mr. David Brown, F.I.C., F.C.S., F.R.S.E., Willowbrae House, Edinburgh. Mr. Rainy-Brown had been the managing partner of J. F. Macfarlan & Co. for several years past. In 1895 he read a paper written by his father and himself, on "The Decomposition of Alcohol-reduced Chloroform," at a meeting of the North British Branch of the Pharmaceutical Society (*C. & D.*, I., 1895, p. 446), and also contributed some observations on the official tests for aloin. When the British Pharmaceutical Conference met in Edinburgh in 1912, Mr. Rainy-Brown was elected chairman of the excursions committee, and was also an active member of the local committee. In the following year he presented a silver challenge trophy for an annual competition between golfers representing the drug-trade in Edinburgh and Glasgow, thus reviving an interesting fixture that had lapsed for some years previously. Deep and widespread sympathy is felt for Mr. David Brown in his bereavement.

THOMAS.—At Hendre Villa, Penglais Road, Aberystwyth, on January 1, Mr. John P. Thomas, Ph.C., aged sixty-five. Mr. Thomas carried on business at 20 Great Darkgate Street for many years; on retiring, in 1912, he disposed of his pharmacy to Mr. B. T. Lloyd, chemist and druggist. He served on the town council from 1897 to 1903, and was also a member of the board of guardians.

VASEY.—At Beechcroft, Burnt Ash Lane, Bromley, Kent, on January 7, Mr. Samuel Archibald Vasey, F.I.C., F.C.S., aged fifty-four. Mr. Vasey acted as consulting chemist to "The Lancet" for thirty years.

Personalities.

MR. G. G. FLINN has been appointed sales manager to Lysol, Ltd., Raynes Park, London, S.W. 19.

THE honour of knighthood has been conferred on Mr. Maurice Craig, M.D., and Mr. Percival Horton-Smith Hartley, M.B.

MR. W. DEACON, chemist and druggist, Bridgwater, has been elected chairman of the local Maternity and Children's Welfare Committee.

W. BRO. JOHN EVANS, P. G. Steward, chemist and druggist, Cambridge, was, on January 10, invested as S. W. in the Scientific Lodge, No. 88.

SIR RICHARD COOPER, Bt., M.P., presented to his native city of Lichfield, on January 12, the old Franciscan mansion and eleven acres of land adjoining, purchased by him some time ago.

MR. HILDRETH GLYN-JONES, son of Sir William Glyn-Jones, secretary of the Pharmaceutical Society of Great Britain, has passed the Final examination for the Bar. He was a student of the Middle Temple.

MR. W. F. WELLS, Ph.C., ex-President of the Pharmaceutical Society of Ireland and of the British Pharmaceutical Conference, sails for South Africa on January 14. He expects to be away for six or seven months.

MR. F. P. PICK, Ph.C., Burnley, has been appointed a member of a special committee of the local chamber of trade. This committee is watching the interests of retailers over a proposed increase in shop assessments.

A BUST of King Edward VII., unveiled at Windsor on January 7, is a gift of Sir Jesse Boot, Bt., who, in conjunction with the National Trust, was also responsible for the construction of a new path to the riverside.

W. BRO. S. F. BARKER and W. BRO. S. J. PARSON, pharmacists, Cambridge, were respectively invested as Banner Bearer and Steward at an installation meeting of the Three Grand Principals, No. 441, held at the Lion Hotel on January 3.

MR. C. RAAB, of H. Raab & Co., Chemical Works, Roermond, Holland, is at present on a business visit to London and several of the provincial towns. Letters may be addressed to him at the First Avenue Hotel, High Holborn, London, W.C. 1.

MR. L. CHAMBERS, President of the Halifax and District Chemists' Association, gave an address to the local Grocers' Association, on January 10, on "Salesmanship." Mr. Chambers remarked that during the war they had had no need for salesmanship, but now they would have to use their brains in managing their businesses if they wished to make them a success. Mr. J. T. Chamberlain, who presided, paid a tribute to the chemists of Halifax.

MR. T. H. NEWTON, the newly-elected President of Hull Chemists' Association, is a native of Heckington. His experience was acquired chiefly in Maidstone, Birmingham, Scarborough, and London; in the Metropolis he was with Davies & Long, Dorset Street, W., and the late Mr. Stamp, Hampstead, N.W. He qualified in 1890, after studying at the Westminster College of Pharmacy. About twenty-seven years ago he purchased the old-established business of Jubb & Co., 7 Chariot Street, Hull, which he has largely developed on the veterinary side. Mr. Newton's year of office is a fitting recognition of twenty-five years' membership of the Association, which he has already served as treasurer and as secretary, in both offices winning esteem by his devotion to duty. He formerly served as churchwarden of St. John's Church (now closed), and is at present a sidesman of Holy Trinity Church. This year the President and Mrs. Newton celebrate their silver wedding.

MR. T. H. NEWTON.

Coming Events.

Tuesday, January 18.

North London Pharmaceutical Association, North Branch Library, Manor Gardens, Holloway Road, at 8.30 P.M.. Mr. Sydney Jameson on "Petroleum from the Wells to the Consumer."

Wednesday, January 19.

National Association of Women Pharmacists (London Group), Dr. Williams' Library, Gordon Square, W.C. 1, at 8 P.M. Miss Cook on "Experiences of a Woman Pharmacist in Uganda."

The Thames Valley District Pharmacists' Association, Kingston Hotel, Kingston-on-Thames, at 2.45 P.M. Mr. Albert F. Porter, general manager of S. Maw, Son & Sons, Ltd., on "Trade Matters."

Institute of Ophthalmic Opticians, Hall of the Chartered Institute of Patent Agents, Staple Inn Buildings, High Holborn, London, W.C., at 8 P.M. Dr. H. G. Critchley on "Retinitis and its Kindred Diseases."

Leicester Pharmaceutical Association, V.A.D. Hall, London Road, at 7.30 P.M. Dr. Stanley White on "The Manufacture of Biological Products."

Pharmaceutical Society of Great Britain (North British Branch), 36 York Place, Edinburgh, at 8 P.M. Evening meeting. Papers on "Cascara Sagrada (*Rhamnus Purshianus, D.C.*) Grown in Scotland," by Mr. A. McCutcheon; "Note on Bismuth Oxycarbonate," by Mr. H. Stout, Ph.C.; and "Incompatible Mixture: Hydrocyanic Acid and Iodine," by Mr. John Noble.

London (Western) Pharmacists' Association, Holborn Restaurant, London, W.C., at 7.30 P.M. Cinderella dance. Tickets (10*s*. 6*d*. each, including supper) from Mr. B. R. Wilkinson, 23 Cromwell Place, South Kensington, S.W.

Thursday, January 20.

South Wales and Monmouthshire Pharmacists' Local Associations Federation, Black Lion Hotel, Aberdare, at 3 P.M. Meeting. Tea, provided by the Aberdare Association, will be served at 5 P.M. A mass meeting of pharmacists will be held at 6 P.M., at which a representative from the Pharmaceutical Society will speak on "Current Pharmaceutical Topics."

West Ham Association of Pharmacists, Earlham Hall, Forest Gate, at 3 P.M. Address by Mr. Herbert Skinner.

Ealing Pharmacists' Association, Princess Room, Ealing Town Hall. Annual dinner. Reception at 7 P.M. Tickets (10*s*. 6*d*. each) from any member of the Committee, or from the Secretary. Morning dress. Ladies specially invited.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION.—A dance will be held at the Grosvenor Rooms, Grand Hotel, on January 26. Tickets (7*s*., lady and gentleman 13*s*.) from the Secretary, Mr. F. Smith 221 Soho Road Birmingham. Supper tickets 2*s*. 6*d*. extra.

CARDIFF PHARMACISTS' ASSOCIATION.—A whist-drive will be held at the Bungalow Café, High Street, Cardiff, on January 26, on behalf of the Pharmaceutical Society's Benevolent Fund. Play will commence at 7.15 P.M. Tickets (3*s*. 6*d*. each, including refreshments), from Mr. Edwin Poole, 29 Ladysmith Road. Early application is desirable.

Trade Notes.

DECEMBER PRICE CHANGES are given in the advertisement in this issue of Burroughs Wellcome & Co.

CHLOROPHYLL, for use in brilliantine, is offered by Rose & Co., Haarlem, who invite applications for samples and prices.

COCHINEAL.—Warwick Smith & Co., 3 Cross Lane, Eastcheap, London, E.C. 3, are direct importers of of cochineal from the Canaries.

RITEWAY STROPPERS for safety-razor blades are a line that sells well where shown. The article is made by the Rapid Steel Co., Ltd., 25 Shaftesbury Avenue, London, W. 1.

GOODALL, BACKHOUSE & CO., Leeds, invite *C. & D.* readers to write for their monthly and quarterly price-lists, which give competitive prices for drugs, proprietaries, toilet articles, etc.

SOLIMENT.—The Solidol Manufacturing Co., 317 Lillie Road, Fulham, London, S.W. 6, announce that they now manufacture Soliment to retail at 3*s*., in addition to the size selling at 1*s*. 3*d*. The prices are given in the company's advertisement in this number.

F. OWENS & CO., LTD., glass-bottle manufacturers, Temple Chambers, London, E.C. 4, are sending out with a price-list a memorandum block (6 in. by 3½ in.), with stout leaves and a rigid cover. For desk use when rough notes are required it makes a handy companion.

SYNTHETIC PERFUMES. — Chas. Zimmermann & Co. (Chemicals), Ltd., 33 St. Mary-at-Hill, London, E.C. 3, give a new list of flour oils and synthetic perfumes for which they are agents. The perfumes are made by the Chemical Works Flora, Ltd., Dubendorf, Zurich, Switzerland.

TETLOW'S SWANDOWN POWDER.—Henry C. Quelch & Co., 4 and 5 Ludgate Square, Ludgate Hill, London, E.C. 4, announce an immediate reduction in the wholesale price of Tetlow's powder. A reduction in the retail price will be made next month, the interval allowing time to clear out existing stocks.

WATER-GLASS FOR EGG-PRESERVING.—Tomlinson & Hayward, Ltd., Lincoln, advertise in this issue water-glass for egg-preserving. The season for this product is at hand, and chemists in rural areas should send for a price-list of the various packages which are supplied with the chemist's name and address.

VIOLIV COCOANUT-OIL SHAMPOO is the feature of the advertisement in this issue of the Violiv Manufacturing Co., Ltd., for whom Pattinson & Mackie, Ltd., Albion House, 59 New Oxford Street, London, W.C. 1, are sole agents. The shampoo is in powder form, packed in envelopes and cartons. Window-slips and showcards are sent free on application.

MIDGLEY'S EMOLLIENT CREAM.—Geo. Holliday & Co., Ltd., manufacturing chemists, 325 City Road, Manchester, send us a sample bottle of Midgley's Emollient Cream, a skin-softening preparation. It is in the form of a liquid cream, with a very refreshing perfume. The bottles are labelled in colours and packed in cartons. The preparation retails at 1*s*. 3*d*., 2*s*., 3*s*. 6*d*., and 6*s*. 6*d*.

PRICE REDUCTIONS.—J. R. Bourlat, Goes & Co., manufacturing chemists and perfumers' sundriesmen, 21 Clarendon Road, Holland Park, London, W. 11, who supply wholesalers and exporters only, announce that owing to the present favourable rate of exchange between this country and France discounts of 10 per cent. are given on orders for nail polishers and 5 per cent. on fancy ribbons.

DRUG LIST.—The Alliance Drug and Chemical Co., 10 Beer Lane, Great Tower Street, London, E.C. 3, have issued a new detailed price-list for 1921. All changes in price during the year are announced in the company's advertisements in the *C. & D.*, so that the new list is a valuable guide to buyers of drugs, chemicals, pills, lozenges, etc., at competitive prices. The change of address should be noted.

TOILET SPECIALITIES.—Frank Buckler, Ltd., Castle Works, Mount Pleasant Road, Tottenham, London, N. 17, issue an excellent price-list of toilet preparations manufactured for the wholesale trade. Specialities are powder-leaves in many different kinds of packings, nail-polish leaves, pocket mirrors, the Melissa shampoo-powders, skin-food, etc., perfume sprays, and puff-boxes. Wholesalers should send for a copy of the price-list.

OSCOL STIBIUM.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. 4, have produced a new antimony-colloid which is named "Oscal Stibium." The preparation, which finds special use in the Dependencies and India in the treatment of bilharzia and leprosy, has been evolved by long research, and is believed to have a large future in the treatment of the diseases referred to. Oscol Stibium is administered hypodermically in doses of 1 c.c.

RAYMET TOILET PREPARATIONS.—We have inspected one of the show-cases which Raymet & Co., Ltd., 507-509 Harrow Road, London, W. 10, supply to customers for counter- and window-displays. The cases were illustrated in the company's advertisement last week, where the six varieties of toilet preparations were enumerated. The articles are put up in a distinctive style of bottle of large size with labels in blue, black, and gold, making the preparations good value for money.

METAGEN.—Parke, Davis & Co., manufacturing chemists, Beak Street, London, W. 1, advertise in this issue a new preparation for therapeutic purposes under the name of Metagen. This combines the recognised types of vitamines—anti-neuritic, anti-rachitic, and anti-scorbutic—the value of which, in the maintenance and restoration of health, has been definitely established. Metagen is an extract put up in five-grain capsules, the dose being from one to six capsules daily.

"MEDICAMENTA RECENTIA."—Under this title Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C. 3, issue a booklet in which are given details of modern materia medica made by the company. The list is arranged alphabetically from agar-agar to Vernol hay-fever outfit, there being a description of each product, with particulars of dosage and size of packages. There is a therapeutic index at the end. The booklet is a useful one to chemists for reference purposes.

DOMINIONS TOURING EXHIBITION.—D. & W. Gibbs, Ltd., City Soap Works, Wapping, London, E. 1, have a space in the foreign samples exhibition, which is being

organised by the Overseas Trade Department. The exhibit, which is shown in the illustration, was the first complete unit inspected by the Prince of Wales at his recent visit to the exhibition.

MOTOR DELIVERY-CARD.—The British Drug Houses, Ltd., Graham Street, London, N. 1, have hit upon a happy idea, which takes the form of a card upon which are given the dates when deliveries by their motor vans will be made in particular districts throughout the year. This is helpful to chemists, as it enables them to send orders in anticipation of the fixed deliveries. On the back of the card calendars are given for 1921 and 1922. Chemists who have not received one of these cards should send in applications.

"GADUS" COD-LIVER OIL.—John Bell & Croyden, Ltd., 50 Wigmore Street, London, W. 1, send us a sample of the "Gadus" cod-liver oil of which they are the sole British agents. The oil is manufactured in the Lofoten Islands on the same day that the fish is caught, and only healthy livers are employed. A special process of extraction is used, with the object of preventing oxidation and yielding an oil free of objectionable odour and taste. The oil is run direct into the bottles, in which it reaches the consumer. The taste is nutty, with a very slight suggestion of the fishy origin of the oil. The bottles are packed in cartons. The agents supply trade terms to wholesalers and retailers on application.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(From "The Trade-marks Journal," January 5, 1921.)

"CASTRON BRAND DIGESTIVE PREPARATION"; for a digestive medicine (3). By Fairchild Bros. & Foster, 65 Holborn Viaduct, London, E.C. 1. 406,739.

"ANOSOL"; for medicines (3). By the South Staffordshire Mond Gas (Power and Heating) Co., Station Street, Dudley Port, Tipton, Staffs. 406,775. (Associated.)

"VINTELLE"; for alcoholic medicated wines (3). By Lyle & Co., 6 North West Circus Place, Edinburgh. 407,874.

"TRANSECURA"; for baby soothers, etc. (11), and for feeding-bottles (50). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1. 409,019/020. (Associated.)

"REVELINE"; for perfumery, etc. (48). By International Chemical Co., Ltd., 7 Wybert Street, Munster Square, London, N.W. 1. 409,259.

(From "The Trade-marks Journal," January 12, 1921.)

"BIMBAM STANDARD 85% PER CENT." on label device ("Standard" disclaimed); for chemicals (1). By L. H. Daniels, Heuvellaan, 48, Hilversum, Holland. 406,255. (Associated.)

"IMEX" in triangular border ("Border" disclaimed); for chemicals (1), (2), medicinal chemicals (3), and for goods (47). By the Wholesale Import and Export Merchants, Ltd., Alderman's House, Alderman's Walk, Bishopsgate, E.C. 2. 407,460/461/462/482. (Associated.)

"QUIXIL"; for chemicals (1). By H. J. Nicoll & Co., Ltd., 114-120 Regent Street, London, W. 1. 409,104. (Associated.)

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

M/111. Anti-toxine tablets.
A/121. Bulford's solution of Bulgarian Bactillus.
B/121. Kelpion ointment.
A/121. Pineol.
S/121. Pranilo nerve food.
E/71. Ergolene face cream.
B/71. Munyon's homœopathic remedies, English agents.
P/71. Hæmostyle.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4

Bullock's glycerine acid pepsine, P/101
Cassia Beareana ext., P/101
Ferrostat vacuum flask, W/101
Flash dirt remover, O/121
Iodine antiseptic pen, B/111
Liquozone, R/111
Massol, W/121.
Lowenthal's lymphoid capsules, P/101
Musterole, K/101
Rexall preparations, R/121
Sen-Sen, S/101
Succus Cineraria Maritima, M/101
Wait-and-See pills, C/81

Observations and Reflections.

By Xrayser II.

Bonnes Bouches

in last week's *C. & D.* include the naive remark of the multi-secretary of the new Union that "he has never known such complete unanimity in regard to a vital issue." Perhaps when his "experience of pharmaceutical politics" broadens he will discover that the apathy brought about by disgust at the stampeding tactics adopted in founding the Union is not much of a basis for building up unanimity. Already it appears that insurance companies are offering facilities for covering chemists' legal risks at a rate which will introduce the competitive element into this class of business. Another tit-bit which I noticed was the "applause" following the announcement at the Council meeting of the Pharmaceutical Society that twenty-four students had paid an extra half-guinea to be supplied with the "Journal." It may or may not be a subject for applause that the Society is to lose not only the half-guinea subscription of these young men, but the "extra half-guinea" because these, added together, about represent the cost of supplying the "Journal" to each person.

Voting by Proxy,

though it might do something to lessen the influence of multiple-shop companies in the new Union, would not neutralise it. We may be quite sure that "Octopus" will always be there with his six hundred votes. Has any return ever been made of the total number of multiple shops? The interests of their owners may not always be identical, but the companies are all more or less hostile to the single shopman, and they will be sure to hang together in any case in which their interests and his appear to clash. It would be only too easy to name several questions on which they and he will be opposed, and there will probably be much more unanimity on the one side than on the other. It seems, indeed, almost impossible to get pharmacists to act together, and if any great diversion of opinion should arise among them the multiple shops will be the deciding factor. Perhaps this may have the effect of welding the single men together a little, but that only means that a state of internecine war is quite likely to arise. I wonder whether our leaders know what they are doing? Have they seriously faced these possibilities?

The Extraordinary Bargain

that has been made regarding the schedule of declared drugs to be added to the Proprietary Medicines Bill is not creditable to the negotiators. The inclusion of benzol, cotton root, methylene blue, oil of cedar, potassium chorate, santonin, and tansy is, as you say, inexplicable. They are not active drugs, and some of them, such as benzol and oil of cedar, are not even used in medicine in this country. The Ministry of Medical Men, which is so much in disrepute at the present time, will surely hasten its fall if it endeavours to add such an absurd schedule to the Bill. There are curious rumours about that the Bill must be pushed through at any cost, not only because several soft jobs depend on the measure becoming law, but on account of a deeper scheme of absorbing the legal functions of the Pharmaceutical Society into the Ministry. When some of these plans materialise chemists will begin to see why the Union was rushed through without discussion.

"Mushroom,"

which a Colonial correspondent asks me to explain, is from the French *Mousseron*, which, again, is an extension of *Mousse*, moss (German *Moos*). The earliest known form in which the word is used by an English writer is *Mousseroun*, which makes the derivation plain, and the other French form, *Mouscheron*, also persisted in English, with slight variations, for some time. This afterwards became *Mushroom*, *Musherom*, *Mushrum* (Gerard's name for the fungus), *Moshrump*, *Mushrub*, etc. *Mushrump* appears to be fairly common down to the middle of the seventeenth century. *Mousseron* itself, I believe, still survives as a name for a particular kind of mushroom. In Bailey's and other old dictionaries mousserons are distinguished from common mushrooms. At a still earlier time "mushroom" included toadstools; thus the Alphita Glossary puts both "moscherones" and "paddoc-stol" under *Fungus agaricus*.

"The Physician in English History,"

Dr. Norman Moore's title for his Linacre Lecture, now published in a little book, appears to stand for "The Physician in English Literary History," and even so it is a little too large for the lecture. It would have been impossible, no doubt, to exhaust the subject in an hour's discourse, but seeing that Dr. Moore, whose survey comes down to Dr. Johnson's time, has filled about half his space with gossip concerning a number of people who were not physicians, it is curious that he does not mention such men as Sir Thomas Browne, of Norwich, the physician who of all others occupies the highest place in our prose literature; Henry Vaughan, the Silurist, who next to Milton is perhaps the greatest religious poet of the seventeenth century; Dr. Armstrong, a better poet than Garth, of whom we are told a good deal; Akenside, who surpassed both the last-named as a poet; and Sir Richard Blackmore, who though a very poor was a very voluminous one, the author of six epics in sixty books, and who achieved the distinction of a famous line in "The Dunciad"—

"Who sings so loudly, and who sings so long."

The Use of Mummy in Medicine,

says Wootton, is not very ancient, and it is uncertain when or how it began. Sir Wallis Budge, of the British Museum, in his recently published work, "By Nile and Tigris," gives an account of the matter, which, on his authority, may perhaps be accepted. It was the bitumen used in embalmment that brought mummies into the market as materia medica. Bitumen had a very great reputation in medicine in the earliest times of which we have any record; it occurs in the Ebers Papyrus, and in many prescriptions from all over the East printed by Sir Wallis in his "Syrian Anatomy." Dioscorides mentions it as obtained in Phœnicia, Babylon, Zante, and Sicily, and much later writers, who say nothing of its use in mummification, describe its curative properties. Among other places, it was derived from the Dead Sea, and thus obtained the name of *bitumen Judaicum*, or Jew's pitch. By Arab writers it was called "mumie," a form of the Persian *mûmiyâ*. Originally this substance, which the Persians used in embalmment, must have been, or contained, wax, the Persian name for which was *mûm*, but later the name was given to bitumen, and, occasionally, in Arabia, to other medicaments of which bitumen was a principal ingredient. Embalmment in Egypt was anciently performed by means of costly spices, and the bodies were decked with jewellery. This caused them to be stolen to such an extent that, after the twenty-sixth dynasty, bitumen was used instead of spices, and the decking with jewellery discontinued. Soon, however, the demand for bitumen as medicine revived the practice of stealing mummies, the bitumen used for them being of the finest quality and easily accessible, and both it and the bitumenised flesh were sold to physicians for use in medicine. I need not follow Sir Wallis further, as the rest of the story, and the abuses of the trade in "mummy," will be found in Wootton's "Chronicles." Sir Wallis, in a footnote, quotes in full the passage from Ambrose Paré on which Wootton relies for much of his information.

OLD LONDON CRIES.—In the course of a lecture on sixteenth-century cries of London, delivered at the Royal Society of Arts on January 6, Sir Frederick Bridge, Mus. Doc., said that though "sweet juniper" was sold to one of these musical accompaniments in the London of that day, the cry "Sweet lavender!" familiar to later generations, does not appear among those of the Elizabethan age. Cheeriest of all, perhaps, was that of "Kind-heart," the tooth-drawer, with his "Touch and go! Touch and go! Have you work for Kind-heart, the tooth-drawer?"

WHY IS
"SANITAS"
2/6
PER BOTTLE?

See page 13.

THE "SANITAS" CO., LTD.
LIMEHOUSE LONDON, E.14.

An announcement of particular interest to you appears in this issue on page 42

British made and British owned.
CARAMEL
(Sacch Ust.)
Buy from the Actual Manufacturers.
Lichtenstein & Co., Ltd.
(L. M. Lambert, Managing Director)
Established in London, 1880.
Colne Works, Uxbridge, Middx.

CANARY GUANO.
Garden and Greenhouse Fertiliser. Advertised extensively. Sells freely. Carriage paid, small quantities.
THE CHEMICAL UNION, Ltd., IPSWICH.

MANUFACTURER OF
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Established 1895.
Write for Quotations—
DOUGLAS W. BULL, 4 Churchill Rd., HOMERTON, E.9

S.V.R.—Absolute Alcohol
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CHEMISTS' WINES.
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For Quality in
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Petroleum Jellies, B.P.
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WHITE Brilliantine OILS
SEARNS Ltd. 80 Royal London House, Finsbury Square, E.C. 1.

Editorial Articles.

Dangerous Regulations.

The draft of the Regulations to be made by the Home Secretary under the Dangerous Drugs Act, which we print elsewhere in this issue, is drawn up apparently without any thought of the inconvenience which such unpractical requirements will cause to medical men, chemists, and the public. It will be illegal, for example, according to Regulation 4 to sell without a prescription from a duly qualified medical man such household remedies as cough mixtures (containing morphine or heroin in medicinal quantities), chlorodyne (containing morphine), gall and opium ointment, etc. The list of prohibited articles contained in the British Pharmacopœia is as follows:

Inj. cocainæ hypod.
Lam. cocainæ
Troch. kramer. et cocainæ
Ung. cocainæ
Ext. opii
Ext. opii sicc.
Ext. opii liq.
Inj. morphinæ hypod.
Liq. morphinæ acet.
Liq. morphinæ hyd.
Liq. morphinæ tart.
Liq. opii
Pil. ipecac. c. scilla
Pil. saponis co.
Pil. plumbi c. opio.
Pulv. ipecac. co.
Pulv. cretæ arom. c. opio
Pulv. opii co.
Supp. plumbi c. opio
Supp. morphinæ
Tinct. opii
Tinct. chlor. et morph. co.
Troch. morphinæ
Troch. morph. et ipecac.
Ung. gallæ c. opio

There are, in addition, hundreds of unofficial preparations containing opium or its alkaloids, the sale of which would be rendered illegal, unless they are diluted so as to take them out of the percentage requirement. The Regulations go beyond what is required by the International Opium Convention, to carry out which the Dangerous Drugs Act was passed. By this Convention the contracting parties are required to enact pharmacy laws and regulations in such a way as to limit the manufacture, the sale, and the use of morphine, cocaine, and their respective salts to medical and legitimate uses only, **unless existing laws or regulations have already regulated the matter.** Article 10 deals with the methods of control, such as the registration and licensing of manufacturers of the drugs referred to, whilst persons who sell are to be required to register on their books the quantities manufactured, the importations, the sales, or any other transfer and exportation of morphine, cocaine, and their respective salts. The following significant paragraph is added: **This rule shall not apply necessarily to medical prescriptions and to sales made by duly authorised pharmacists.** By Article 14, medicinal opium, heroin, and preparations containing more than 0.2 per cent. of morphine or more than 0.1 per cent. of cocaine are brought in and are to be subjected to the same regulations governing the alkaloids. Now it is obvious from this that the draft Regulations issued by the Home Secretary go much further than the Convention requires, with the consequence that much unnecessary trouble and expense will be caused to millions of the public, and also to medical men, dentists, veterinary surgeons, and pharmacists, without any advantage in carrying out the objects which the Convention is designed to bring about. It will be noted that the retail sale in this country of all the drugs mentioned is already subject to very severe conditions, and is strictly confined to a class of traders who have been especially trained for the work. There is, therefore, no warrant for the Regulations so far as they apply to chemists. The prohibition of retail sale is an addition which is not required by the Convention, and is moreover a grave reflection on the integrity of the medical, dental, veterinary, and pharmaceutical professions. The other outstanding absurdity is that only retail chemists will be allowed to manufacture "any preparation, admixture, or extract of any of the drugs." So far as we can see no provision is made for the manufacture of galenicals containing cocaine, opium, or morphine by wholesale druggists or hospital pharmacists. It is not much use providing that masters of ships may possess the drugs covered by the Act if they cannot purchase them in prepared form from a chemist. The prescription, which is the only means of obtaining the drugs, is required to be given by a "duly qualified medical practitioner," thus throwing upon the chemist the onus of examining the writer's credentials. The framers of the Pharmacy Act were wiser in their generation, and in the famous Section 17 only referred to "medicines dispensed." The prescription Regulation (5) is in our opinion unworkable in hospital practice, unless it is intended that one prescription is sufficient for a ward full of patients—and there is nothing in the Regulation that precludes this idea, or states that the prescription is for a person. A special book is to be reserved for prescriptions of narcotic drugs, including those dispensed for panel patients. In addition, there are to be kept four separate books for the various poisons, and, according to the schedule to the Regulations, the prescriptions are also to be entered in these. Under the Pharmacy Act the chemist is already required to make entries in a prescription book or poison book, so that the clerical work involved will be enormous. The absurdity of making several separate entries of one transaction is apparent to anyone outside a Government office. Regulation 8 requires the percentage and total amount of narcotic drug in an article to be plainly marked on it, so as, we suppose, to make the public familiar with narcotics —a most pernicious practice in our opinion. The Regulation appears also to apply to amounts of drugs not covered by the Dangerous Drugs Act, and in this particular it is, we submit, *ultra vires*. It will be a novelty for a medical man, dentist, and veterinary surgeon to have to keep half a dozen poison books showing, for example, how each few minims of a hypodermic injection was used. The record books to be kept are of doubtful utility from a practical point of view. They would show the amount of each drug bought and sold, and presumably the difference between these would be the drug in stock. Some however may be contained in a "preparation, admixture, or extract," and obviously would not be entered up until sold. There is also the factor of loss by accident and in manufacture. A doctor who doles out ten-minim doses of a hypodermic injection will find himself unable to balance the credit and debit side of the poison book. He may even decide to throw away some of the injection which has deteriorated by keeping, but no provision is made for such a usual practice. The titles of the Acts of Parliament referring to the practice of pharmacy in Ireland (Regulation 15) are incorrectly given, but, as these are copied from the Act, we suppose the draftsman of the Regulations should not be blamed. As a matter of fact it is unreasonable to expect a Civil servant, however well versed he may be in the law, to draw up intelligent regulations on a highly technical subject, such as the supply of medicines. The Department should have had the assistance of a committee of people with a knowledge of the drug-trade, and if the Home Secretary is wise he will see that this is done. We assume that the intention in putting forward the draft Regulations is to invite criticism. This article can therefore be taken as a basis of any further remarks that our subscribers may desire to make.

Overseas Trade in 1920.

SIGNIFICANT signs of the depression in trade are now observable in the Board of Trade Returns for December. British exports were (with the exception of February) the smallest of the year, at 96,631,000*l.*, or 22,734,000*l.* less than in November, while the re-exports, 12,699,000*l.*, were less than in any month of 1920. Imports, at 142,785,000*l.*, declined by 1,475,000*l.*, compared with November. Comparing these figures with December of 1919 the decrease on imports is 26,817,000*l.*, while re-exports are smaller by 13,461,000*l.*, British exports are 5,772,000*l.* greater. Of more immediate interest are the complete figures for the year, and they are by no means unsatisfactory, considering the economic conditions which have prevailed in the world's markets for at least the last half of 1920. Taking the year throughout we have exported British goods to the value of 1,335,000,000*l.*, compared with 798,000,000*l.* in 1919 and 525,000,000*l.* in 1913. We have imported, less re-exports, to the value of 1,714,000,000*l.*, compared with 1,462,000,000*l.* in 1919 and 759,000,000*l.* in 1913. It need hardly be said that these enormously swollen figures, compared with the pre-

war year 1913, represent a much smaller volume of goods in both imports and exports. We paid 48¼ million sterling more for food, drink, and tobacco than in 1919, and 472¼ million more than in 1913! Of raw materials we bought 711½ millions' worth, or nearly 105 millions more than in 1919, and 441½ millions more than in 1913. Here the principal increase was 65,994,000*l.* in raw cotton, and we got almost one million centals less for it; imports of oil seeds, nuts, oils, fats, resins, and gums at 82¼ millions were 9⅓ millions less. Manufactured articles were 158,868,000*l.* higher, the leading increase being 33,414,000*l.* under the head of manufactured oils, fats, and resins, our imports in this class being 77 millions. Our purchases of chemicals, drugs, and the like amounted to 35,315,000*l.*, or 14¼ millions more than in 1919 and almost 22 millions more than in 1913. We give below a number of the more important items in quantities, most of these being raw or semi-raw materials.

—		1913	1919	1920
Acetic acid	tons	3,756	3,744	4,950
Bleaching materials	cwt.	139,654	2,493	13,530
Borax	,,	16,940	34,012	8,540
Sulphur, crude	tons	18,214	7,573	15,759
Calcium carbide	cwt.	513,797	494,594	348,960
Coal-tar products	£	164,447	105,612	260,749
Cream of tartar	cwt.	79,700	23,887	53,463
Glycerin, crude	cwt.	87,908	40,759	24,140
,, distilled	,,	22,076	784	10,676
Potash compounds (saltpetre) ...	,,	237,880	139,703	184,973
,, other sorts	£	630,234	633,961	1,677,497
Soda compounds...	cwt.	2,998,321	532,453	3,166,912
Tartaric acid	,,	45,936	17,043	37,860
Unenumerated chemicals ...	£	2,290,589	4,184,072	5,341,061
Peruvian bark	cwt.	—	—	—
Quinine and salts of	oz.	2,422 944	5,764,943	4,651,405
Unenumerated drugs	£	1,824,532	4,434,208	4,053,326
Cutch	cwt.	52,781	52,545	74,148
Aniline dyes	,,	283,182	59,085	170,454
Synthetic indigo	,,	23,889	2,466	14,311
Painters' colours and pigments	,,	2,343,069	1,016,359	1,497,819
Zinc oxide	tons	18,445	6,635	7,681

As regards British exports, one of the striking features is the remarkable expansion in our shipments of manufactured goods, the value attaining the magnificent total of 1,120,732,000*l.*, against 641,484,000*l.* in 1919 and 413,820,000*l.* in 1913. Cotton goods head the list by an increase of 162,837,000*l.*, iron and steel manufactures being second with an expansion of 46¼ millions; next follow woollen goods by 39⅓ millions more, and machinery by 32,716,000*l.* more. Chemicals and allied produce were 13,715,000*l.* more, exports being valued at 40,730,000*l.*, and compared with 1913 the increase is 21 $\frac{1}{10}$ millions. Some of the leading items exported were as follows:

—		1913	1919	1920
Acid, sulphuric	cwt.	170,503	50,459	145,047
Acid, tartaric	,,	16,401	9,927	29,318
Ammon. chlor.	tons	4,773	5,587	7,218
Ammon. sulphate	,,	323,054	92,806	110,042
Bleaching powder	cwt.	726,390	348,886	433,898
Coal-tar products (n.e.s.) ...	£	1,515,900	1,458,700	2,865,636
Copper sulphate	tons	75,633	35,069	19,852
Glycerin, crude	cwt.	145,755	7,653	194,129
,, distilled	,,	96,306	53,696	137,314
Potash compounds	£	258,996	348,128	830,343
Sodium compounds	cwt.	7,266,862	6,344,576	8,673,302
Zinc oxide	tons	2,490	1,308	1,770
Chemicals, unenumerated ...	£	2,661,108	5,047,053	7,702,477
Drugs and medicines	£	2,351,781	4,389,963	5,183,838
Dyes and dyestuffs	cwt.	208,879	184,467	302,914
Painters' colours and materials n.e.s.	cwt.	2,414,910	1,310,658	1,482,768

N.e.s.=Not elsewhere specified.

Considerable allowance must be made for enhanced prices in the above figures, and in many instances they bear no comparison with the 1913 quantities. Sodium and potassium compounds, however, did particularly well as regards quantities, likewise dyes and dyestuffs. Copper sulphate lacks vitality, but ammonium sulphate may further recover this year; glycerin exceeded the pre-war figures in quantity, and the exports of sulphuric acid and tartaric acid were decidedly good, particularly the latter. We give below the exports month by month of drugs and medicines, which have attained the high total of 5 $\frac{1}{10}$ millions sterling.

Export of Medicines, comprising Drugs and Medicinal Preparations.

—	1913	1919	1920
	£	£	£
January	213,902	443,227	387,225
February	177,134	332,558	379,306
March	190,363	288,531	391,439
April	195,877	369,848	436,907
May	204,185	395,761	450,456
June	184,194	322,774	456,904
July	210,206	353,514	624,294
August	169,571	385,587	408,996
September	210,821	322,514	518,329
October	198,505	349,807	393,480
November	191,031	407,722	404,263
December	205,227	417,497	332,239
	2,351,781	4,389,963	5,183,838

In the above figures British quinine and quinine salts are represented by 671,302*l.* for 1920, compared with 287,499*l.* for 1919 and 72,642*l.* for 1913, the quantities exported being 2,806,653 oz., 1,722,191 oz., and 1,374,328 oz. respectively. Our re-exports of chemicals, drugs, dyes, and colours, which in 1919 were valued at 10,758,500*l.*, fell to 5,356,300*l.* last year. Sodium nitrate accounts for a large share of the decline, but various circumstances are now at work, Continental ports that deal with entrepôt trade being active competitors with our ports as distributors of the world's produce. The outstanding features of the year's trading are, of course, the enormously inflated values, and the shrinkage in volume compared with 1913. At the same time, considerable progress has been made in rebuilding overseas trade since the Armistice, but until the painful process of deflation of prices has been completed, and the purchasing power of foreign markets restored, we cannot be said to have turned the corner.

Mercury in 1920.

FLUCTUATIONS in the price of mercury during the past year were probably the greatest recorded in the history of the metal, having varied as much as 15*l.* per bottle, or between 27*l.* (the extreme highest touched on March 22) and 12*l.*, the figure at which the leading importers pegged their price for Spanish just at the close of the year. The range in values in 1919 represented 9*l.* per bottle, compared with 5*l.* in 1918 and 7*l.* 10*s.* in 1917. In pre-war years fluctuations were comparatively small under normal conditions—in fact, the price in 1913 varied by only 10*s.* a bottle at between 7*l.* 10*s.* and 7*l.*, and after falling to 6*l.* 10*s.* early in 1914, it then rose gradually in that year to 11*l.* 5*s.*, and remained thereat until the opening of 1915. It is necessary to revert to that year in order to find a lower figure than the lowest recorded at the end of 1920. Comparatively little stock having been apparently carried into 1920, it is obvious that, owing to the continuance of a lively demand, especially for export, in the early months, combined with relatively restricted imports, holders made the most of their opportunity, and the price was thus raised

in March to as high as 27*l.* per bottle. With the imports over the spring continuing limited—partly attributed to difficulties in securing freight—the market was not greatly affected by the fact that the general demand tended to weaken from all quarters. Adverse economic conditions at Far Eastern centres, especially Japan, where trade requirements had been over-provided, exerted a weakening influence on the London market, especially when it became known that some parcels were being reshipped from Japan. During May the market became widely divergent chiefly on account of the fact that the leading importing firm persistently maintained their limit for Spanish mercury at 25*l.* a bottle, in spite of vigorous competition on the part of dealers and merchants, who were over a certain period anxious to get rid of the numerous parcels of Italian mercury which reached this country through various Continental channels, including even Germany and Scandinavia. It thus happened that Italian quicksilver towards mid-May was actually secured at 21*l.* 10*s.*, or 3*l.* 10*s.* below the figure quoted for Spanish. The slackness of demand over the summer months became more pronounced, and with export business dropping to insignificant dimensions, the market tended sharply downward, and the chief importers in July dropped their price to 20*l.* 10*s.* There was a little more doing round about 20*l.* to 21*l.*, and the tone thus kept very steady, while supply and demand were closely balanced. Second-hand supplies, which had been retained in Continental countries over the Armistice period, having been pretty well disposed of, there was not much metal weighing on the market. Over the autumn, however, in spite of the persistent falling away in the American output, the trade demand proved insufficient to prevent a further downward movement. The severe industrial world-crisis has had its effect on mercury as on any other commodities. The outlet in the second half-year was certainly exceedingly poor, and had it not been for the fact that importations from Spain have been on an unusually small scale, the price would presumably have fallen further. As it is, the price stands at a long way above pre-war levels, which is more than can be said of many other commodities. Most metals, as a matter of fact, have in recent months dipped into pre-war levels. Therefore, the comparative resistance of the market must be ascribed to the fact that the control exercised in regard to the handling of supplies from the main sources of production is becoming more and more apparent, and this would justify the remarks which we made some time ago relating to the question as to an understanding being eventually brought about in regard to the handling of both Spanish and Italian production. In our issue of August 14 full particulars were given as to the much-increased costs and the difficulties under which operations have been conducted by the Italian industry, while such difficulties probably also apply to the Idria mines, which became part of Italian territory after the Armistice. The big slump in the American output must be regarded as an important factor as to the future course of the market. This output amounted for the third quarter of 1920 to only 2,045 flasks, thus showing a decrease of 1,640 flasks against the previous quarter. The total of the American production for nine months represents 10,629 flasks, and if the falling-off has continued at the same rate during the fourth quarter, which is not improbable, the aggregate for the whole of 1920 may not even reach 12,000 flasks, which would be but little more than one-fourth of the biggest annual output secured within the war-period. On the basis of the above estimate for last year, there would be a deficit of 9,000 bottles compared with the returns for 1919. The American position is now of special interest, having regard to the bearing it may have on the policy of European producers. Only twelve mines were reported working in America in the third quarter, and, curiously enough, the demand there is still reported slow in a more or less depressed market, while the New York price recently dropped to about $43 per flask. The figures below, giving the highest and lowest points touched in each year during the last four years, afford an idea of the extent to which the market has been swayed by the after-effects of the war pressure, and the subsequent heavy falling-off in the trade demand.

	Highest £ s. d.	Lowest £ s. d.	Closing Price (Dec. 31) £ s. d.
1917 ...	25 0 0	18 10 0	23 0 0
1918 ...	25 0 0	20 0 0	21 0 0
1919 ...	24 10 0	15 10 0	24 5 0
1920 ...	27 0 0 (Mch. 22)	12 0 0	12 0 0

It will thus be seen that the price in the past year depreciated by 12*l.* 5*s.* per bottle, or fully 50 per cent. The outlook seems somewhat stronger, while the leading importers raised their price to 12*l.* 10*s.* at the opening of the New Year. Other sellers are quoting over that figure and appear to be looking for some further recovery. The market is presumably not over-supplied, so that, given little more life in the demand, it is apt to become sensitive. Statistical returns covering the past year work out as follows, based on the figures given by the Board of Trade :

Imports.

	1920	1919	1913
December	5,933	3,109	468 bottles
Total twelve months ...	35,760	37,898	45,349 ,,

Re-Exports.

	1920	1919	1913
December	926	10,135	1,870 bottles
Total twelve months ...	19,364	45,846	26,815 ,,

Whereas the net imports for the year 1913 represented 18,534 bottles, allowing for the re-exports of 26,815 bottles, the net imports for last year amounted to 16,396 bottles, as the outgoings were well over one-half the quantities that came in. The returns for 1919 were more particularly striking in this, that the re-exports were actually much in excess of the receipts, and thus caused the stocks in 1919 to be eaten into very considerably. The statistical position was made much stronger in the early months of last year; this partly explains the extremely high prices then ruling. In the present subdued state of the market and pending developments in the demand, which are uncertain, there is apparently not much inducement on the part of Continental producers to accelerate new consignments to this side.

Panel Patients' Medicines.

AN ill-informed paragraph regarding the quality of the medicines used in dispensing Insurance prescriptions was given in "The Times" this week. The "medical correspondent" evidently belongs to that class of doctors who did their best to wreck the scheme of National Health Insurance at the outset, and he still clings to long-exploded ideas. The Ministry of Health does not issue any prohibition of use of the "best" drugs for panel patients, but in the interests of Insurance contributors endeavours to check reckless prescribing. It is incorrect to state that "instances have occurred where a doctor prescribed a certain expensive drug in a special case, but the chemist to whom the prescription was handed gave something 'quite as good,' though less expensive." This is merely a doctor's gibe at chemists, and is discreditable to the accuser.

Qualifying Examination Results.

THE following are the results of the Pharmaceutical Society's examinations held this month :

LONDON.

—	No.	Part I.		Part II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination ...	139	4	48	2	15
Entered for Part II. and referred subject in Part I.	50	3	35	1	19
Entered for Part I. only	13	—	3	—	—
Entered for Part II. only	115	—	—	2	62
Referred subject in Part II.	89	—	—	—	66
	406	7	86	5	162

Referred in one subject : Botany, 10; Chemistry, 19; Physics, 4; Materia Medica, 13; Pharmacy, 47; Poison Law, 1.

PART I.

The following have satisfied the examiners :

Andrew, F., Scarborough
Benazon, I., Maida Hill
Birks, W., Sheffield
Bridger, F. L., Eastbourne
Briggs, E. A., Sheffield
Burbidge, A. J., Devizes
Catlow, Milton, Oswaldtwistle
Cooper, W. G., Clapham
Cox, J. A., St. Leonards
Cumber, H. B., Guernsey
Curtis, A. P., Colchester
Dams, L. E., Edgbaston
Dishman, G. A. C., Stockport
Eastwood, E. M., Brighton
Evans, D. W., Swansea
Evans, W. R. A., Westminster
Fitz-Gerald, Leonora E., Bath
Floyd, Robert, Burnley
Frank, A., Cape Town
Gaffin, H. M., Manchester
Gale, Maggie S., Gateshead
Glendinning, J. J., Sparkhill
Hamnett, T. H., Blackheath
Harries, D. E., Highbury
Harris, W. H., Birmingham
Hodgson, E., Blackpool
Holland, F. A., Macclesfield
Hollins, Evelyn M., Gateshead
Howell, L. J., Newport (Mon.)
Howitt, C. F., Leicester
Illingworth, Nora A., Manchester
Jenkins, H. M., Treforest
Joy, A. C., Hornsey
Lewis, G. A., Ferryside
Lloyd, J. M., Carmarthen
Morgan, D. P., Maesteg
Morgan, O. F., Moseley
Morris, H. W., Mountain Ash
Nettleton, T. A., Liverpool
Newman, R. T., Catford
Rees, D. J., Treorchy
Richards, Winifred D., Bromley
Rockley, F. A., Belvedere
Rouse, W., Scarborough
Scholefield, Arline A., Ashton-under-Lyne
Stone, E. W. B., Silloth
Thompson, C., Gatley
Walker, H. B., Barnet
Walker, T. G., Hetton-le-Hole
Watson, T. F., Ripley
Wenmoth, L. J., Liskeard
Woodcock, Constance M., Great Yarmouth

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

Allansen, C., Penarth
Barclay, W. E., Clapham
Bentley, J. R., Leeds
Berlin, J., Horsham
Blakeman, C. D., Timperley
Booth, T. C. N., Middlesbrough
Bowring, Lilian M., Wickford
Bransby, H., Wilmslow
Brelsford, J., Oldham
Brooks, L. M., Camberwell
Brown, E. S., Radcliffe
Burgess, E. L., Ferndale
Calvert, F. H., Stockport
Carnall, H. D., Hove
Chapman, H. E., Sheffield
Charles, T., Thornton Heath
Charlton, A., Normanton
Conder, R. E., Hampstead
Cook, A. C., Cape Town
Cook, A. L., Birmingham
Cornthwaite, H. S., Lancaster
Coupland, F., Stafford
Cox, R. H., Heamoor
Crellin, W. C. C., Castletown, I. of M.
Cresswell, E. P., Braintree
Cunningham J. H., Wimbledon
Dale, J. D., Sheffield
Darley, T. W. E., Nottingham
Davies, A. G., Dowlais
Day, Denis, Nottingham
Dawson, Clarice, Blackpool
Dungworth, J. W., Sheffield
Eddie, J. C., Melrose
Evans, A. R. L., Llandudno
Evans, H. B., Rhyl
Evans, T., Hirwain
Farmer, R. J., Castle Gresley
Fisher, J. S., Holmfirth
Forshaw, J., Newark
Gardner, Kathleen M., Brockley
Gilman, W. D., Leek
Glenn, C. E., West Bridgeford
Gower, D. I., Barry
Guy, A. W., Brighton
Hallett, Eric, Rochdale
Haydock, C., Blackburn
Haynes, T. G., Wellingborough
Heard, Doris M., Peckham
Hibbert, J. L., East Kirkby
Higson, J. C., Burnley
Hill, Kathleen D., Guildford
Hollyoak, Noah F., Lye
Holt, H. F. L., Nelson
Horsley, G. W., Nottingham
Hotter, G., Gainsborough
Howell, Eunice E., Moseley
Iliffe, W. R., Liverpool
Jenkins, Nora K. M., Edgbaston
Johnson, T. R., Merton Park
Jones, I. B., Neath
Jones, R. J., Nevin
Jones, T. H. H., Penybont Station
Jones, T. L., Birkenhead
Latham, F. E., Brixton
Leigh, A. G., Lichfield
Lloyd, A. S., Penygraig
Long, H., Newport (Mon.)
Lord, Frank, Blackpool
Lundie, N. V., Liverpool
McEllin, J. H., Audley
Mandell, J., West Ealing
Marsh, W. K., Wallasey
Massey, W. E., Brighton
Matthew, A., Bowes Park
Matthew, Hector, Leeds
Mendus, J., Haverfordwest
Midwood, H. T., Manchester
Mill, W. A., Swansea
Mitchell, W., Edenbridge
Moreton, R. C., Nuneaton
Morris, W. L. G., Swansea
Naylor, S., Sunderland
Nicholson, A. V., Exmouth
Nicholson, Evelyn H., Cloughton
Oats, R. C., Relubbus
Osborne, Phyllis M., Mill Hill
Parr, C. H., Croydon
Parry, May T., Liverpool
Pearce, L. J., Bristol
Phillips, G., Tonypandy
Pilgrim, C. O., Melton Mowbray
Pullen, F. E., Gloucester
Randell - Jefferies O., Handsworth
Riley, E. C., Nottingham
Roberts, W. R., Wigan
Robinson, A. G., Patrington
Roushdy, M. M., Newcastle-on-Tyne
Rowlands, W. H., Liverpool
Sadler, J. K., Hove
Shufflebottom, E., Birmingham
Simms, F., Staveley
Skelton, F. W. V., Nuneaton
Skipworth, B. C., Brantham
Slater, W. E., Eastwood
Speight, C. E., Southport
Spetch, J. H., Retford
Squire, W., Trealaw
Tandy, Muriel B., Handsworth
Tanner, P. C., Chesham
Taylor, John, Teddington
Taylor, W. S., Nantwich
Thomas, A. W., Tredegar
Thomas, H. J., Gorseinon
Thomas, H. W., Weston-super-Mare
Thomas, Trevor, Cardiff
Thwaites, G. H., Portsmouth
Townsend, Florence A., Clapham
Vale, Arthur, Woking
Venables, C. P., Wandsworth
Ventin, A. D. B., Haverfordwest
Walker, W. S., Boar's Head
Walton, S., Durham
Watson, P. E., Golders Green
Watts, L. J. B., Barnstaple
Westropp, M. J., Southsea
Williams, Albert, Risca
Williams, S. W., Newtown
Williams, T. H., Prenton

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

Allemande, V. A., Erith
Berry, T., Chesterfield
Betts, E. P., New Basford
Blair, J. L., Tarporley
Boar, A. S., Cheltenham
Brailey, H. C., Westbourne Park
Charles, I. J., Pontypool
Curtis, F. W., Norwich
Eagle, G. B., Leicester
Earle, Annie B., Dewsbury
Eltoft, J. E., Manchester
Forrester, F. A., Cosby
Gee, F. D., Leek
Glenton, R., Harrogate
Goodall, A. H., Birmingham
Hales, H. E., Peterborough
Henderson, J. H. D., Lowestoft
Hodson, William, Louth
Holbrook, P. T., Bristol
Ince, Edgar B., Rossett
Jamieson, B., New Cross
Jones, L. W., Amlwch
Killip, Hilda M., Oxford
Latham, Jane E., Ashton-in-Makerfield
Leigh, A. D., Birmingham
Lyon, D. M., Maida Hill
Morgan, A. W., Sutton Coldfield
Nethercott, H. E., Bristol
Paine, E. C., Newbury
Paton, J. M. B., Ilkeston
Reynolds, J. B., Kennington
Smith, W. A., Haworth
Whitfield, S. J., Durham
Wragg, W. E., King's Heath

EDINBURGH.

—	No.	Part I.		Part II.	
		Absent	Passed	Absen	Passed
Entered for whole Examination	28	3	17	1	7
Entered for Part II. and referred subject in Part I. ...	16	1	13	3	4
Entered for Part I. only	3	1	1	—	—
Referred subject in Part I only ...	2	—	1	—	—
Entered for Part II. only	22	—	—	2	10
Referred subject in Part II.	57	—	—	—	35
	128	5	32	6	56

Referred in one subject : Botany, 5; Chemistry, 3; Materia Medica, 5; Pharmacy, 31.

PART I.

The following have satisfied the examiners :

Bremner, J., Glasgow
Burgess, A., Altrincham
Costigan, W., North Shields
Cox, T., Manchester
Gordon, G. T., Glasgow
Herbert, T., Rochdale
Hudson, P. B., Gateshead
Jones, T. G., Carlisle
Kilpatrick, A. C., Greenock
Lamb, J. W. R., Aberdeen
Marshall, John, Bathgate
Murray, R. M., Glasgow
McNicol, J., Alexandria
Nelson, T. C., Edinburgh
Ramsay, G. G., Glasgow
Robertson, N. A., Glasgow
Scott, A., Edinburgh
Scott, I. E., Saltcoats
Waton, P., Gateshead
Watson, Ruric, Blackpool

PART II.

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

Atkinson, C., Bradford
Barker, A. F., Wakefield
Baxter, J. W., Inverkeithing
Beale, Jean G., Grantown-on-Spey
Bell, A. M., Dunfermline
Bell, Marjorie A., Ayr
Bell, W., Lochmaben
Buckley, F., Bradford
Burton, W. W., Newton-le-Willows
Darlington, Mabel R., Featherstone
Dryden, A., Dundee
Duncan, P. R., Gartly
Dunn, H. B., Glasgow
Farmer, W., Campbeltown
Findlay, A., Ardrossan
Fraser, F. M., Glasgow
Gourlay, David, Leith
Graham, A. H., Brighouse
Gray, W., Lochgelly
Gregson, H. T. A., Eaglescliffe
Hanlon, D., Edinburgh
Harper, Edith M., Fyvie
Hepburn, J., Wishaw
Heron, W. S., Dumfries
Hogstrom, A. G., Edinburgh
Hunter, M. N., Falkirk
Leitch, J. T., Coldstream
MacLean, A., Dumbarton
MacManus, Catherine, Glasgow
McMillan, D. F., Inverness
McMillan, G. A., Ayr
Miller, Edith, Falkirk
Mitchell, J. S., Aberdeen
Moffitt, R. D., S. Shields
Normington, H., Bradford
Parker, W. T., Wallsend
Peak, A., Manchester
Rutter, H., Gateshead-on-Tyne
Scott, H. N. B., Edinburgh
Shepherd, J. H., Sandbach
Shrigley, H. F. E., Barnsley
Steele, Nora F., Hexham
Steele, W. D., Dumbarton
Thompson, C. M., Redcar
Wearmouth, A. H., Rowlands Gill

PARTS I. AND II.

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

Bain, Elizabeth R. D., Lennoxtown
Blair, Annie M., Edinburgh
Cooper, Tom, Crewe
Imrie, E. E., Kinross
Lambert, P. H., Newcastle-on-Tyne
Leach, J. R., Bradford
Paton, D. M., Glasgow
Scott, John, Greenock
Swinglehurst, A., Nelson
Thompson, W. C., Leeds
Wann, Elizabeth, Edinburgh

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres.

ENGLAND.

London.—A meeting of the Pharmaceutical Committee was held on January 11, Mr. A. J. Wing (chairman) presiding. The report of the Central Checking Bureau for October showed a margin of error of 0.08*d*. The secretary reported, *inter alia*, particulars of July and October prescriptions as follows :

	July	October
Total cost	£13,266 12*s.* 8*d.*	£16,674 3*s.* 7*d.*
Number of scripts ...	271 296	332,258
Average cost	11.74*d.*	12.01*d.*
Number of prescriptions	334,099	411,765
Average cost	9.53*d.*	9.72*d.*

The Insurance Committee will continue to issue triplicate prescription-books to doctors on the panel. Complaints have been made by chemists that certain doctors were not supplying duplicate copies of prescriptions. This matter has been taken up with the Panel Committee. On the advance payments to chemists, the Committee instructed the secretary to send a further communication to the Insurance Committee.

THE FUNCTION OF THE MERCHANT.—Speaking in London on January 11, Lord Askwith observed that there was a new school of thought, particularly cultivated by some of the Government Departments, which suggested that manufacturers should deal with consumers direct and eliminate the merchant altogether. But leading manufacturers of this country valued the merchant as an indispensable link in the commercial chain. The merchant received but a small recompense for the risks he ran, and saved the manufacturer from running. It was not sufficiently recognised that merchants were, in fact, bankers, and took risks that an ordinary bank would refuse to consider. The prosperity of the country had largely arisen from the enterprise of the merchant.

Imports of Pharmaceutical and Synthetic Chemicals.

June—December, 1920.

IN our issue of June 26, 1920 (p. 197), we published a list of the imports of pharmaceutical chemicals into the United Kingdom from January to the end of May, and in the undermentioned tables we now complete the year. The list is compiled from the London Customs Bill of Entry, but, owing to the incomplete methods adopted by the Customs, the particulars are mostly values only, instead of net weights. The figures show the predominance of Germany as our principal source of supply for pharmaceutical chemicals, and, probably, a large proportion of the imports from Holland originated in Germany. The imports from the United States appear to have fallen off owing to the adverse exchange. Switzerland has become a bigger exporter of fine chemicals. France seems to have concentrated on sodium salicylate, salol, phenazone, and some of the synthetic perfumes. The figures are not in all instances representative of our total imports of chemicals—*e.g.*, quinine is mostly shipped direct from Java. Canada sends us pyrogallic acid, paraldehyde, acetone, and other acetic products which are not included in the table. Scandinavia supplies us with creosote carbonate and allied products.

—	FRANCE	GERMANY	HOLLAND	BELGIUM	SWITZERLAND	SWEDEN	U.S.A.
Acetaldehyde	—	—	1,299*l.*	—	—	—	—
Acetanilide	—	1,114*l.*	—	—	—	—	3,789*l.*
Aloin	—	—	—	—	—	—	393*l.*
Ammonium chloride	—	506*l.*	—	—	—	—	—
,, citrate...	—	245*l.*	—	—	—	—	—
,, fluoride	—	783*l.*	118*l.*	—	—	—	—
Amidopyrin...	1,875*l.*	777*l.*	620*l.*	419*l.*	2,287*l.*	241*l.*	—
Amyl acetate	—	—	275*l.*	—	—	—	—
,, salicylate	17 cbys., 273*l.*	—	11 cs., 234*l.*	—	—	—	—
Anthranilic acid	—	—	—	—	—	—	2,062*l.*
Apiol...	—	—	—	—	—	—	140*l.*
Argyrol	—	—	—	—	—	—	3,052*l.*
Aspirin	2,128*l.*	2,005*l.*	—	44*l.*	—	—	7,822*l.*
Atoxyl	76*l.*	—	—	—	—	—	—
Atropine	—	200*l.*	532*l.*	—	—	—	—
Aubepine	325*l.*	—	1,331*l.*	—	—	—	—
Barbitone	304*l.*	575*l.*	315*l.*	—	3,487*l.*	500*l.*	—
Benzoic acid	—	—	748*l.*	—	—	—	—
Benzonaphthol	—	199*l.*	—	—	—	—	143*l.*
Benzyl acetate	82*l.*	27*l.*	19*l.*	—	—	—	—
,, benzoate	—	—	40*l.*	—	—	—	—
Beryllium nitrate	—	317*l.*	—	—	—	—	—
Betanaphthol	—	7,673*l.*	6,821*l.*	—	172*l.*	—	23 brls.,21,479*l.*
Bismuth salts	17*l.*	450*l.*	—	—	99*l.*	—	—
Bromides, not described	—	940*l.*	—	—	—	—	—
,, ammonium	—	1,681*l.*	461*l.*	—	—	58*l.*	—
,, calcium	—	1,120*l.*	—	—	—	—	—
,, potash	100*l.*	1,658 pkgs., 358 cwt.	61 pkgs., 700*l.*	—	—	—	58*l.*
,, soda	—	—	—	44*l.*	—	80*l.*	—
Bromine	600 cs., 2,281*l.*	2,047 pkgs.	105 pkgs.	1,065 pkgs.	—	—	—
Bromstyrol	—	—	781*l.*	—	—	—	—
Butyl alcohol	1,950*l.*	—	—	—	—	—	19,920*l.*
,, chloral hydrate	—	85*l.*	133*l.*	—	—	—	—
Butyric acid	—	—	—	—	—	—	1,126*l.*
Caffeine	809*l.*	3,113*l.*	1,811*l.*	2,607*l.*	8,366*l.*	430*l.*	—
Calcium glycerophosphate... ...	—	—	14*l.*	416*l.*	—	—	6,198*l.*
,, lactate	—	116*l.*	367*l.*	—	—	—	—
Camphor monobromate	—	85*l.*	—	—	—	—	—
Cerium nitrate	21*l.*	41*l.*	—	—	—	—	814*l.*
,, oxalate	—	—	16*l.*	—	—	—	—
Chlorophyll	—	1,706*l.*	583*l.*	—	906*l.*	—	141*l.*
Cinchonine	—	4,079*l.*	—	—	—	—	—
,, hydrochl.	—	—	1,335*l.*	—	—	—	—
,, sulphate	—	—	—	—	—	—	217*l.*
Citral...	—	—	319*l.*	—	—	—	—
Cocaine hydrochl.	792*l.*	1,334*l.*	—	—	1,500*l.*	—	—
Conmarin	—	1,570*l.*	304*l.*	—	849*l.*	—	2 cs., 5,410*l.*
Creosote carb.	—	—	—	—	91*l.*	1,319*l.*	1,654*l.*
Dimethylamido-oxyquinizine ...	—	183*l.*	—	—	980*l.*	500*l.*	—
Emetine hydrochl....	—	—	175*l.*	—	—	—	—
Eosinamine	—	545*l.*	—	—	—	—	—
Ethyl-morphine	—	237*l.*	—	—	10*l.*	—	—
Ethylene chlorhydrin	—	—	—	—	—	—	255*l.*
Eugenol	—	—	284*l.*	—	—	—	—
Ferric chloride	—	600*l.*	—	—	—	—	—
Formaldehyde	11,244*l.*	—	—	—	—	43,500*l.*	34,537*l.*
Formic acid	360*l.*	910*l.*	705*l.*	—	—	—	—
Gallic acid	—	—	—	—	1,655*l.*	—	9 brls.
Geraniol	82*l.*	203*l.*	3,475*l.*	—	—	—	100*l.*
Geranyl acetate	—	—	133*l.*	—	—	—	—
Glycerophosphates	—	—	318*l.*	—	—	—	—
Glycerophosphoric acid	—	—	—	—	—	—	33*l.*
Guaiacol	—	—	—	—	464*l.*	—	—
,, acetate	—	—	—	—	176*l.*	—	—
,, carbonate	—	—	—	35*l.*	126*l.*	52*l.*	—
Heliotropine...	—	172*l.*	1,242*l.*	—	72*l.*	—	5,792*l.*
Hexamine	20*l.*	4,852*l.*	508*l.*	—	—	—	2,098*l.*
Homatropine hydrobrom.	—	31*l.*	—	—	—	—	—
Hyacinthine	—	—	—	—	—	—	352*l.*
Hydroquinone	5,748*l.*	2,148*l.*	—	—	652*l.*	—	881*l.*
Ichthyol	—	—	—	—	141*l.*	—	81*l.*
,, soda	—	115*l.*	—	—	—	—	—

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—	FRANCE	GERMANY	HOLLAND	BELGIUM	SWITZERLAND	SWEDEN	U.S.A.
Iodine and potash iodide	4,930*l.*	—	—	—	—	—	—
Ionones	—	—	963*l.*	—	—	—	110*l.*
Iron lactate	—	—	24*l.*	17*l.*	—	—	—
,, valerianate	—	—	123*l.*	—	—	—	—
Iso-eugenol	—	—	35*l.*	—	—	—	—
Lactic acid	31*l.*	3,164*l.*	220*l.*	—	—	—	1 050*l.*
Linalyl acetate	—	—	265*l.*	—	—	—	—
Mercury perchloride	—	1,541*l.*	—	—	—	—	—
Mesotan	—	29*l.*	—	—	—	—	—
Metagol	—	—	—	—	100*l.*	—	—
Metaphenylene diamine	—	11*l.*	—	—	—	—	—
Methyl alcohol	—	—	—	—	—	350*l.*	—
,, anthranilate	155*l.*	—	703*l.*	—	—	—	—
,, chloride	76*l.*	—	—	—	—	—	—
,, salicylate	—	—	405*l.*	—	27 pkgs.	—	623*l.*
,, sulphonal	—	206*l.*	—	—	—	—	—
,, valerianate...	—	—	—	—	134*l*	—	—
Metol	400*l.*	883*l.*	—	—	—	—	—
Milk sugar	—	210 cs.	1,030 pkgs.. 1,700*l.*	—	—	—	1,254 brls.
Molybdenic acid	—	—	—	—	—	54*l.*	—
Musk, artificial	1 cs	—	421*l.*	182*l.*	120*l.*	—	—
Naphthalene...	48*l.*	—	60*l.*	55*l.*	—	—	—
Neosalvarsan	—	1,916*l.*	241*l.*	3,668*l.*	—	—	—
Nitrobenzene	—	—	—	—	—	—	920*l.*
Novocain	—	48*l.*	—	—	—	—	—
Nucleinic acid	—	10*l.*	—	—	—	—	—
Orthoform	—	52*l.*	—	—	—	—	—
Oxalic acid	—	9,562*l.*, 107 pkgs.	12,559*l.*, 102cks.	2,236*l.*	1,234*l.*	123*l.*	—
Paraldehyde	—	402*l.*	805*l.*	—	100*l.*	—	—
Paramidophenol	—	—	—	—	351*l.*	—	—
Paranitraniline	—	—	—	—	—	—	1,595*l.*
Phenacetin	—	105*l.*	—	—	1,600*l.*	—	11,631*l.*
Phenalgin	—	—	—	—	—	—	282*l.*
Phenazone	1,350*l.*	2,008*l.*	904*l.*	—	1,726*l.*	—	—
Phenolphthalein	—	422*l.*	—	—	—	—	930*l.*
Phenyl acetic aldehyde	—	55*l.*	77*l.*	—	—	—	—
Photographic chemicals	600*l.*	160*l.*	—	—	—	—	—
Phthalic anhydride...	—	—	—	—	—	—	95*l.*
Phytin	—	—	—	—	58*l.*	—	—
Piperazine	—	70*l.*	—	—	174*l.*	—	—
Potass. binoxalate	—	621*l.*	20 brls., 735*l.*	—	—	—	—
,, caustic	—	591 drms.	6 52 pkgs., 171*l.*	—	—	70 cs.	—
,, chlorate	220 cks., 240 kgs.	112*l.*, 161 pkgs	—	—	80*l.*, 60 kgs.	500 pkgs.	—
,, iodide	18*l.*	5 cs., 481*l.*	—	—	—	—	37 cs.
,, metabisulphite	—	92*l.*	94*l.*	—	—	—	—
,, permanganate	—	14 pkgs., 5,726*l.*	66*l.*	—	—	—	255*l.*, 27 drms.
,, prussiate	18 cks.	57 pkgs., 1,096*l.*	69 cks., 13 pkgs.	—	—	—	—
,, sulphoguaiacolate	—	370*l.*	—	—	1,094*l.*	—	—
Protein	—	—	—	—	24*l.*	—	—
Pyrogallic acid	—	—	—	—	78*l.*	—	3,624*l.*, 5 cs.
Quinidine sulphate	—	—	250*l.*	—	—	—	—
Quinine and salts	22,792 oz.	54*l.*, 18,347 oz.	91,827 oz.	336 oz.	8,960 oz.	1,850 oz.	—
,, ethylcarbonate	—	—	150*l.*	—	2,110*l.*	—	—
,, hydrochloride	—	526*l.*	30*l.*	—	—	—	—
Resorcin	1,511*l.*	827*l.*	—	—	—	—	—
Rhodinol	—	97*l.*	—	—	—	—	—
Salicin	—	—	165*l.*	—	—	—	—
Salicylic acid	10 cs., 80 pkgs	1,500*l.*, 28 cs., 47 pkgs.	—	—	—	—	54 cwt. 83 brls. 24 cs., 2,911*l.*
Salol	1,120*l.*	—	—	28*l.*	—	—	3,377*l.*
Salvarsan	—	337*l.*	—	290*l.*	—	—	—
Scopolamine...	—	—	—	—	28*l.*	—	—
,, hydrobromide ...	—	—	100*l.*	—	—	—	—
Silver colloid	—	—	—	25*l.*	115*l.*	—	—
,, nitrate	—	84,430*l.*	25,761*l.*	400*l.*	—	650*l*	350*l.*
,, proteinate	—	170*l.*	58*l.*	252*l.*	1,205*l.*	—	—
Sodium benzoate	500*l.*	373*l.*	1,200*l.*, 4 cwt.	—	—	—	30*l*
,, cacodylate...	234*l.*	—	150*l.*	—	—	—	80*l.*
,, iodide	—	375*l.*	—	—	—	—	—
,, nitrite	—	200 cwt.	—	—	—	—	—
,, nucleinate	—	—	—	—	16*l.*	—	—
,, oxalate	—	—	—	—	40 cwt., 800*l.*	—	—
,, peroxide	125*l.*	—	21*l.*	—	—	—	—
,, salicylate	160 cwt.	53 cwt., 315*l.*	15 cwt.	—	—	—	90*l.*, 30 cwt.
,, uranate	269*l.*	—	—	—	—	—	—
Sparteine sulphate	—	40*l.*	—	—	—	—	—
Sulphonal	—	—	75*l.*	565*l.*	—	—	380*l.*
Strychnine and salts	—	3,568*l.*	—	—	20,983*l.*	—	7,578*l.*
Synthetic perfumes	1,080*l.*	—	311*l.*	470*l.*	26,566*l.*	—	—
Tannic acid...	—	90*l.*	—	12*l.*	15 cks.	—	200*l.*
Terpin hydrate	16*l.*	—	—	—	—	—	500*l.*
Terpineol	182*l.*	84*l.*	5 cs.	1,375*l.*	—	—	1,180*l.*
Terpinyl acetate	—	—	21*l.*	—	—	—	—
Theobromine	440*l.*		2,214*l.*	—	—	—	—
,, soda salicylate ...	—	—	445*l.*	—	—	—	—
Theocin sodium acetate	—	15*l.*	—	—	—	—	—
Thiocarbamide	—	—	—	—	—	—	90*l.*
Thiocarbanilide	—	—	—	—	—	—	97*l.*
Thorium nitrate	1,000*l.*	1,239*l.*	—	—	—	—	83,682*l.*
Trichloracetic acid	20*l.*	—	—	—	—	—	—
Tungstic acid	—	25*l.*	—	—	—	—	1,270*l.*
Uranium nitrate	—	66*l.*	—	—	—	—	—
Valerianic acid	—	—	—	187*l.*	—	—	—
Vanillin	—	—	400*l.*	—	—	4 cs.	58 cs., 2,455*l.*
Zinc chloride	—	109*l.*	—	—	—	—	—
,, phosphide	—	25*l.*	—	—	—	—	—
,, valerianate	—	—	160*l*	—	—	—	—

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Associations' Winter Session.

Assistants' Unions.—The London Retail and Public Service Branches of the National Drug and Chemical Union held a conjoint meeting on January 6, Mr. March in the chair. The prospect of a Trades Board was discussed and no regrets were expressed at the extinction of hopes of an Industrial Council. A Trades Board was felt to be much more effective in wages disputes, in that the rates agreed upon become legally binding. A resolution was then passed calling upon the National Executive of the Drug and Chemical Union to assist in setting up a Trades Board. A whist-drive followed.

Belfast.—The Ulster Retail Drug Trade Association held a committee meeting on January 10 in the Chemists' and Druggists' Rooms, 11 Waring Street, Belfast. Mr. S. Suffern (President) was in the chair, and Messrs. Wm. Dobbin, R. W. McKnight, W. J. Hardy, J. C. Culbert, A. W. Mann, R. Kells, and the secretary (W. J. Stevenson) were present. Correspondence was read from the following and dealt with: Belfast Chamber of Trade, Mr. R. I. Edwards, Ph.C., Glaxo, Ltd., The Dublin and Provincial Association, J. R. Neave & Co., and Mr. J. W. Gray, Ph.C. The Committee have suggested that Glaxo, Ltd., should affix retail price tickets on tins of "Glaxo" to prevent traders cutting the price. A discussion on topical matters followed.

Ealing.—The monthly meeting of the Ealing Pharmacists' Association was held on January 10. The President (Mr. Ironmonger) was in the chair. The secretary (Mr. Marns) reported that, as the result of the recent whist-drive, they had been able to send a cheque for 17*l.* 3*s.* to the Benevolent Fund. A case of a grocer cutting the price of "Glaxo" had been reported to the Proprietary Articles Trade Association and stopped. The President then introduced to the meeting Mr. John Noble, who has set himself the task of collecting 500*l.* (in five years) for the Benevolent Fund. Mr. Noble gave an interesting address on the British Pharmacopœia, and the following resolution was passed: "That the members of the Ealing and District Pharmacists' Association would like to know if the Pharmaceutical Council is taking any steps to secure a proper representation of pharmacy in the preparation of the future issues of the British Pharmacopœia." Mr. Noble next gave a monologue, *What is the Benevolent Fund for?*—in which he portrays an old chemist, over seventy years of age, who, after forty years in the retail trade, is reduced to dire poverty, and, just when everything seems to be blackest, is informed that he has received a grant of 52*l.* a year from the Benevolent Fund. The effect of this good news on the old gentleman gives Mr. Noble a splendid chance for a bit of very fine character acting, and he gives a perfect study of an old man. At the conclusion Mr. Noble passed round his Benevolent Fund Collecting-box, and was rewarded by a good collection.

Glasgow.—A meeting of the Glasgow branch of the Scottish Pharmaceutical Federation was held on December 23, 1920, Mr. D. G. Mackenzie (President) occupying the chair. A lecture was given by Mr. Thomas Harkness, F.L.A.A. (of Harkness, Gallacher & Ruff, Ltd., wholesale chemists, Glasgow), on *The Columnar Cash-book: Its Use to the Retail Pharmacist.* The lecture was interesting and instructive, the speaker showing that by the aid of the columnar cash-book a chemist could easily ascertain at any time the total of customers' accounts outstanding, and also his total liability to creditors, without troubling to prepare detailed lists of debtors and creditors. After questions he was accorded a vote of thanks. The chairman then explained shortly what the branch council had done since the last meeting.

London (N.)—A meeting of the North London Pharmaceutical Association was held on January 11, the President (Mr. C. W. Andrew) presiding. The secretary reported that he had had to postpone the date of the annual dinner to April 7 at the Café Monico. Mr. Jenkin reported on the London Pharmaceutical Committee. Messrs. G. A. Mallinson and John Keall, of the Chemists' Defence Association, introduced the question of the *Retail Pharmacists' Union.* Mr. Mallinson said the chief criticism of the proposed union might be that they did not launch out as the Local Associations Executive without combining with the C.D.A. He pointed out that the funds of the L.A.E. might not be set free by the Council, and it was necessary to have some nucleus for providing money. The question of insurance was paramount. The legal idea was against the C.D.A., and counsel offered the solution which has been adopted. In addition to the objects as published, he stated the principal one was for proprietors only. The chemist should be able to look to the union for assistance on every possible point: if they have not the ability on the staff they could engage talent outside. He pointed out how a trade union could deal with the dangerous drugs Draft Regulations, and the different attitude it could adopt with a Government Department. He instanced the report as circulated by the Home Office, and explained how they must seek to overcome the absurdities. He detailed the subscriptions to the union: the amount was too small, he admitted, but he felt members would not pay for an unknown quantity apart from the C.D.A. The position of the Proprietary Articles Trade Association and a reciprocal arrangement also came in for examination. Mr. Keall spoke on the question of the C.D.A. and the pharmacists' union. He believed in the unification of all trade interests in the P.A.T.A., and emphasised the appeal made by the secretary of the Pharmaceutical Society for unity. He pointed out that there are rumours that some insurance companies are prepared to do the insurance business at less money, but the C.D.A. is the chemists' own, the profits being theirs and no one else's. He paid a tribute to Mr. Mallinson as the man for the job. Mr. Skinner explained the position as it seemed to him, and emphasised the need of local branches; the position of the Association was essential. Mr. Atkins (South London) urged that it would be needful to put forward men for the new executive who have done spade work. He considered that the trade union should be registered. Mr. Hearle dealt with the starting point of fusion or amalgamation owing to lack of funds. All unions start *de novo,* and no difficulty would have arisen in providing funds. He pointed out that Mr. Mallinson admitted that a trade union could do more than the so-called unity spoken of by the Pharmaceutical Society's secretary. Mr. Fouracre, viewing it as a pharmacist, said that the R.P.U. had been open to all pharmacists. Was it now to be for retailers only? Mr. Keith wanted to know who was to vote on this occasion. Mr. Mallinson pointed out that he could make no announcement until the Society declared its policy regarding the Association. On the question of indemnity, he pointed out that the C.D.A. gave greater benefit on account of the indemnity. Votes at the election will be cast by members of the union. One-third of the executive will be panel chemists, but the contract providing funds will be a thing apart until the chemists are within the union, and duality will not be necessary. Management will be in the hands of these panel chemists. Mr. Keall replied that the idea of the P.A.T.A. wholesaler superseding the retailer was unfounded.

London (W.).—A sub-district meeting of the Western Pharmacists' Association was held at Chelsea on January 5, Mr. H. S. Watson (President) in the chair. A discussion on the *Retail Pharmacists' Union* was opened by Mr. A. R. Melhuish, who briefly reviewed the position leading up to the present day, explaining the situation on trade matters in England and Scotland, and embodying particulars for the best means of producing a trade body to protect the interests of the chemist in business. Mr. Melhuish touched upon price protection and the activities of the Chemists' Defence Association and the Local Associations Executive. A discussion followed. Mr. Watson considered that loyalty to the Pharmaceutical Society is essential, and that full support should also be given to the Union. A resolution of support of the Retail Pharmacists' Union was carried. A small committee was formed to consider the question of a rota for Sundays and half-holidays.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, Jan. 13.

THE slightly more favourable feeling and activity which characterised the opening of the year, due to the replenishment of stocks, continues in many directions, but at the same time the fall in prices is still evident, and while this is so no material expansion or sustained improvement in business can be expected. A welcome appreciation in sterling as expressed in dollars is a feature this week, the rise being partly attributable to the falling-off in British purchases. A possible early reduction in the Bank rate has been talked of, but it would be surprising if it came before March. Among the changes in value is a further decline in English castor oil. Ergot is offered more cheaply to arrive from Spain. Balsam Peru and copaiba are easier; tolu is unchanged; cocoa butter is the turn cheaper. Senega is lower to arrive. Fenugreek seed is in fair demand, and canary seed is slow. Cape aloes are lower. The drug sales will be resumed next Thursday, when the previous catalogues will be utilised to offer the goods remaining unsold from the last auction, a supplement of the new offerings being added.

Firmer		Lower	
Hexamine	Mint oil (Jp.)	Aloes (Cape)	Lime oil (W.I.)
		Amidopyrin	Methyl salicylate
		Anise oil, star	Olive oil
		Antimony	Paraldehyde
		Balsam Peru	Potashes (Montreal)
		Castor oil	Red and white lead
		Clove oil	Salicylic acid (second hands)
		Cocaine	Sodium bromide
		Cocoa butter	Tartaric acid
		Coriander oil	Vanillin
		Coumarin	Vermilion
		Cream of tartar	
		Cubeh oil	
		Cumin oil	
		Ergot	
		Guaiacol carbonate	

Easier	
Acetic acid	Methyl anthranilate
Agar agar	Methyl sulphonal
Albumen	Naphthalines
Ammon. brom.	Nutmeg oil
Bergamot oil	Oxalic acid
Bleaching powder	Patchouli oil
Bromstyrol	Peppermint oils
Calcium lactate	Potash bichrom.
Camphor (Jp. ref.)	Potash bromide
Caraway oil	Potash carbonate
Cassia oil	Potash chlorate
Citronella oils	Senega
Copaiba	Soda hyposulphite
Formaldehyde	Soda sulphite
Gallic acid	Tannic acid
Geranium oil (Bourb.)	Wax, veget. (Jp.)
Glauber's salt	
Lactic acid (B.P.)	

The monthly Drug Auction will be held next Thursday, January 20.

Cablegram.

NEW YORK, January 11.—Business is quiet, with the following reductions in current prices:—Sweet oil of birch, $5.00 per lb.; oil of gaultheria, $7.00; hydrastis, $5.00; senega, 75c.; belladonna root, 42c.; balsam tolu, 52c.; milk sugar, 25c.; and citric acid, 49c. per lb.

London Markets.

ALOES.—Cape is lower, good bright hard offering at 70*s*. per cwt. and good ordinary at 65*s*. Curaçao is plentiful, but the bulk of the quality is poor.

The exports from the Union of South Africa during October 1920 amounted to 78,764 lb. (1,380*l*.), against 134,531 lb. (1,422*l*.) in October 1919. The exports for the ten months ended October 1920 were 740,392 lb. (14,982*l*.), against 836,964 lb. (8,760*l*.) for the corresponding period of 1919.

ANTIMONY is decidedly weaker, business having been done at a considerable reduction in Chinese refined at 28*l*. 10*s*. per ton for spot parcels, while c.i.f. to arrive was secured at 27*l*. 10*s*. This obviously foreshadows a considerable adjustment in the official price of English regulus, which is still nominally 45*l*. for good ordinary brands. Chinese crude to arrive is quite nominal at about 20*l*. c.i.f. The fall is chiefly accounted for by the weak advices from the Far East and a poor demand.

BALSAMS.—Copaiba, B.P., is slightly easier at 3*s*. 4*d*. per lb. spot. Balsam Peru is lower at 11*s*., and tolu is unchanged at 3*s*. and slightly less for quantity.

BUCHU.—The exports from the Union of South Africa during October 1920 amounted to 14,716 lb. (8,765*l*.), against 17,317 lb. (5,631*l*.) in October 1919. During the ten months ended October 31, 1920, the exports were 131,842 lb. (62,800*l*.), against 142,357 lb. (34,958*l*.) for the corresponding period of 1919.

CADMIUM is easy with sellers at 6*s*. 3*d*. per lb., demand being very slack.

CAMPHOR (REFINED).—Japanese 2½-lb. slabs are easier, offering at 4*s*. 9*d*. per lb., and Chinese at 4*s*. 6*d*. per lb.

CASCARA SAGRADA is steady at from 97*s*. 6*d*. to 100*s*. per cwt. for two- to three-year-old bark on the spot, and to arrive probably 90*s*. c.i.f. would be accepted.

CASTOR OIL is lower, English having been reduced considerably, making the quotation of pharmaceutical 58*l*. per ton net, first pressing 53*l*., and second pressing 48*l*., barrels included, ex works Hull.

CINCHONA.—Further particulars of the auction to be held at Amsterdam on January 19 show that the 1,965 packages (1,715 bales and 250 cases) to be offered weigh 102,393 kilos. and contain the equivalent of 2,923 kilos. quinine sulphate.

COCA LEAVES.—Further particulars of the auction to be held at Amsterdam on January 19 show that the 3,369 packages (2,827 bales and 542 cases) weigh 179,898 kilos., the total alkaloidal equivalent being 2,580 kilos. The average percentage is 1.43. In London prices are steady, Peruvian offering at 2*s*. and Bolivian at 1*s*. 9*d*. per lb.

COCOA BUTTER is cheaper, offering at 1*s*. 10*d*. per lb., in lots of not less than 1 ton.

COD-LIVER OIL.—No reports have yet been received as to the new Norwegian cod-fishing, which should open this month. Norwegian exchange has shown a slight recovery, and for forward delivery the firmer price of 215*s*. per barrel c.i.f. is quoted for finest medicinal oil.

COUMARIN is weaker on the spot, at from 15*s*. 6*d*. to 17*s*. 6*d*. per lb.

EGG PRODUCTS remain dull. Chinese liquid hen-yolk is offered at 55*s*. per cwt. for old season's and 80*s*. for new season's prime, and April-June shipment is quoted at 87*s*. 6*d*. per cwt. c.i.f. Dried yolk is 6*d*. per lb. on the spot, sprayed whole egg 1*s*. 3*d*., and native dried whole is 7*d*. to 7½*d*. per lb. spot. Prime Chinese hen *albumen* is 3*s*. 8*d*. per lb. on the spot, and April-June shipment is 3*s*. 6*d*. per lb. c.i.f.

ERGOT is cheaper, new crop Spanish of sound quality offering at 7*s*. 5*d*. per lb. net c.i.f. London for prompt shipment. Spot sellers of sound Spanish ask 8*s*., and probably slightly less would be taken on a firm order.

GAMBIER is slow, value of good pale cubes on the spot being about 55*s*. per cwt.

HYDRASTIS remains very dear and scarce on spot at from 39*s*. to 40*s*. per lb.

LIQUORICE JUICE.—Genuine pure Italian block is offered at 160*s*. per cwt. on the spot.

LIQUORICE-ROOT has been in fair demand, prices varying as to quality, up to 50*s*. per cwt. having been paid for good natural; decorticated is 110*s*.

MENTHOL.—The spot price of Kobayashi-Suzuki remains at 25*s*. 6*d*. per lb., but the undertone continues weak. There are no offers for shipment from Japan at the moment, and the quotation of 16*s*. 6*d*. c.i.f. for January-March shipment is circulated in order to cover "bear" selling, and is quite nominal.

MERCURY is steady, with a little more demand, chiefly on home account. Quotations stand at from 12*l*. 10*s*. to 12*l*. 15*s*. per bottle.

OLIVE OIL has declined, with next season's French edible offering to arrive at 15*s*. per gal., actual spot values being from 17*s*. to 18*s*.

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SENEGA.—The consumption this year appears to have been below normal, and demand so far has been slow. There is a fair stock here, partly held by weak holders, who quote 5*s*. 5*d*., from which quotations range up to 6*s*. per lb.

SHELLAC is steady on the spot, with sales of usual TN Orange quality at 340*s*. per cwt. Fine lemon is 500*s*., fine second orange 400*s*., and AC cakey 420*s*. Futures are dearer, the sales including March delivery at from 215*s*. to 260*s*., and May at from 220*s*. to 250*s*.

TONKA BEANS.—Good black Para offer at 2*s*., ordinary at 1*s*. 9*d*. and Surinam at 2*s*. 9*d*. per lb.

TURPENTINE.—Home consumers have kept practically out of the market, which is nominal at 100*s*. per cwt. for spot and to April delivery. Arrivals have continued fair, but with very poor deliveries, there has been a further increase in the London warehouse stocks to about 41,500 barrels. Market is considered very uncertain.

VERMILION.—English makers have reduced the price by 2*d*. per lb., and now quote from 4*s*. 11*d*. to 5*s*. 2*d*. per lb. net, as to quantity.

Seeds and Spices.

ANISE.—There is a small trade doing in Russian at 85*s*. and Spanish at 76*s*. per cwt., being steady.

CANARY SEED is slow of sale at 90*s*. to 100*s*. per quarter for common to ordinary, 125*s*. for good Morocco, and 150*s*. to 180*s*. for fair to good bold Spanish.

CARAWAY SEED is quiet at 36*s*. per cwt. for fair Dutch and 25*s*. for North African.

CLOVES are quiet, Zanzibar offering at from 1*s*. 1*d*. to 1*s*. 2*d*. per lb., but the quality is mostly common, and finer grades command slightly more than the foregoing. To arrive, prices are easier, January-March shipment offering at 9½*d*. per lb. c.i.f.

CORIANDER SEED has been sold at 17*s*. to 18*s*. 6*d*. per cwt., according to quality, for sound seed, and at 13*s*. for wormy to slightly wormy.

CUMIN SEED.—Some parcels of fine Morocco have been sold at 22*s*. to 22*s*. 6*d*. per cwt.

FENUGREEK SEED is in fair demand at 10*s*. to 10*s*. 6*d*. per cwt. for good Morocco, according to quantity.

GINGER is dull. Wormy washed Cochin is offered at 35*s*. to 40*s*., sound at 65*s*. B. cut 140*s*. C. 117*s*. 6*d*. Japanese 37*s*. 6*d*. Sierra-Leone 47*s*. 6*d*. Common to good common Jamaica 150*s*. to 160*s*. and medium to good 170*s*. to 180*s*.

PEPPER is firmer, the value of fair black Singapore being 4⅜*d*. per lb., with business thereat; sales to arrive include January-March shipment at 4¼*d*. to 4⅜*d*. per lb. c.i.f. Lampong is 4¾*d*., Tellicherry 5*d*., and Aleppy 4½*d*. per lb. *White* pepper is also firmer, sales including Muntok on the spot at 8¼*d*. to 8¾*d*. January-March and February-April shipment has been sold at 8⅜*d*. to 8½*d*., and March-May shipment at 8¼*d*. c.i.f. Singapore on the spot is 8*d*., and the value of January-March shipment is 7½*d*. c.i.f.

Pharmaceutical Chemicals.

THERE is no sign of an improvement in this market, which continues very listless. Stocks of considerable size are being offered, but there seem to be very few outlets. Prices of a number of items are again cheaper, and in many cases they offer below the cost of manufacture. Germany and Switzerland continue to send extremely low offers of pharmaceutical chemicals, including salicylates. Hexamine is about the only change in a higher direction. Cocaine, guaiacol carbonate, methyl salicylate, methyl sulphonal, paraldehyde, sulphonal, phenacetin, potassium bromide, amidopyrin, ammonium and sodium bromide, and calcium lactate are among the cheaper-priced products.

ACETANILIDE is offering at the reduced figure of 2*s*. 3*d*. to 2*s*. 6*d*. per lb., but is not in demand.

AMIDOPYRIN is much lower on a weak market at about 23*s*. per lb.

AMMONIUM BENZOATE is unchanged and dull at about 6*s*. 6*d*. per lb.

AMMONIUM BROMIDE is a shade easier this week, and being offered freely at about 1*s*. 2*d*. per lb. on a quiet market.

ASPIRIN is dull, B.P. quality offering at about 3*s*. 6*d*. per lb. and slightly less for quantity.

BARBITONE is quoted at prices ranging from 17*s*. up to as high as 19*s*. per lb.; market seems very unsteady.

BENZALDEHYDE (0.03) remains unchanged on an inert market at about 5*s*. per lb.

BENZONAPHTHOL is maintained with difficulty at about 10*s*. to 11*s*. per lb., some lots offering at a lower figure.

BORIC ACID remains unchanged and quiet at 74*l*. per ton for commercial quality crystals and 76*l*. for powdered.

BROMIDES are slightly cheaper, both ammonium and sodium offering at 1*s*. 2*d*. per lb. Potassium on the spot is quoted at from 11*d*. to 1*s*., but lower offers have been made for forward delivery, and 10*d*. per lb. c.i.f. would buy, with slightly less for ton lots.

CAFFEINE is moving but very slowly, and some parcels are offering slightly less than the makers' price of 33*s*. per lb.; dealers quote 31*s*.

CALCIUM LACTATE is easier on a quiet market at about 3*s*. to 3*s*. 3*d*. per lb.

CHLORAL HYDRATE remains steady, with small business at about 5*s*. 6*d*. per lb. for duty-paid crystals.

CITRIC ACID.—It is, of course, understood that the parcels selling recently at 2*s*. 2*d*. per lb. are foreign crystals in dealers' hands, who have pressed them for sale on an unwilling market, but now 2*s*. 3*d*. to 2*s*. 5*d*. per lb. is the lowest from this source. The English makers have been selling finest crystals at 2*s*. 6*d*. per lb., and cannot offer at less. As we announced in our issue of December 25, the Italian Government advanced the price of citrate of lime to 1,000 lire.

COCAINE is easier, hydrochloride offering at from 14*s*. 6*d*. to 15*s*. 6*d*. per oz., as to quantity.

CREAM OF TARTAR can be had at 165*s*. per cwt. for B.P. foreign powder, from which quotations rise to 170*s*.

CREOSOTE, B.P., on a dull market has eased off slightly, and is now quoted at 5*s*. 9*d*. per lb.

CREOSOTE CARBONATE is quiet, with values unchanged at about 20*s*. per lb.

GALLIC ACID is slightly easier, offering at from 5*s*. 3*d*. to 5*s*. 9*d*. per lb.

GLYCERIN.—Makers' quotation for chemically pure is 140*l*. per ton in 5-ton lots naked, and 155*l*. in 56-lb. tins and cases. In dealers' hands c.p., s.g. 1.260, can be had at 132*s*. per cwt. in cwt. lots.

GUAIACOL CARBONATE is lower at from 18*s*. 6*d*. to 19*s*. per lb., as to quantity.

HEXAMINE is much firmer than last week, and the prices have advanced to about 7*s*. to 7*s*. 6*d*. per lb., which figures have been paid; nervous holders are now off the market, and the tone is much better.

HYDROQUINONE is now steadier, and remains quoted at 7*s*. per lb. on a dull market.

LACTIC ACID is easier, and substantially under 2*s*. 9*d*. per lb. would be accepted for B.P. quality in quantity.

METHYL SALICYLATE is easier at from 3*s*. to 3*s*. 3*d*. per lb.

METHYL SULPHONAL has eased off slightly, and is now quoted at about 25*s*. to 26*s*. per lb. on a quiet market.

MILK SUGAR.—Finest Dutch powder of B.P. quality is quoted at from 165*s*. to 175*s*. per cwt., as to quantity; market is quiet.

PARAFORMALDEHYDE is unchanged, but not at all steady, prices averaging about 4*s*. 9*d*. per lb.

PARALDEHYDE is being offered by makers at about 3*s*. per lb. in cases, but the demand is only small; importers quote 2*s*. 6*d*. to 2*s*. 9*d*.

PHENACETIN is unsteady, with prices varying from 10*s*. up to 10*s*. 6*d*. on a quiet market.

PHENAZONE remains fairly steady at about 10*s*. per lb., but not much business doing.

POTASSIUM PERMANGANATE, B.P., is very unsteady, offering from 2*s*. 9*d*. to 3*s*. per lb.; supplies freely offered, with but small business.

RESORCIN is weak and values are easy at from 10*s*. 3*d*. to 10*s*. 6*d*. per lb.

SALICYLIC ACID.—The English makers' prices for B.P. powder in contract quantities is from 1*s*. 9*d*. to 2*s*. per lb. Second-hands are lower, and 1*s*. 6*d*. would be accepted in certain directions.

SALOL is steady, with not much business; values are unchanged at 4*s.* 3*d.* to 4*s.* 6*d.* per lb.

SILVER NITRATE.—The price for crystals on January 1 was based on a metal price of 40*d.* per oz. as follows: In quantities of 25 oz., 2*s.* 6¼*d.* per oz.; 50 oz., 2*s.* 5¾*d.* per oz.; 100 oz., 2*s.* 5¼*d.* per oz.; 250 oz., 2*s.* 4¾*d.* per oz.; 500 oz., 2*s.* 4¼*d.* per oz.

SODIUM BENZOATE remains unchanged at from 2*s.* 4*d.* to 2*s.* 6*d.* per lb., according to quantity.

SODIUM BROMIDE has again declined, and is now quoted at from 1*s.* to 1*s.* 1*d.* per lb. upwards; there is very little business.

SODIUM DIETHYLBARBITURIC is in slight demand, and offered at about 25*s.* per lb.

SODIUM SALICYLATE.—B.P. powder varies from 2*s.* 5*d.* to 2*s.* 6*d.* per lb., as to quantity and seller.

SULPHONAL has an easier tendency at from 23*s.* to 24*s.* per lb. on a quiet market.

TANNIC ACID.—Leviss. is unchanged on a quiet market at from 5*s.* 6*d.* to 6*s.* per lb.

TARTARIC ACID is easier at 2*s.* per lb. on the spot.

TERPIN HYDRATE remains quoted at last week's figure of 5*s.* 9*d.* per lb.

THEOBROMINE is slow of sale. The pure alkaloid is offered by agents for Dutch make at from 25*s.* 6*d.* to 26*s.* per lb., sodium salicylate at 15*s.*, and acetate at 18*s.* 6*d.*

THYMOL is unsteady and not in much demand; quotations vary, mainly at from 34*s.* 6*d.* to 37*s.* 6*d.* per lb.

VANILLIN is lower, spot parcels of 100 per cent. pure offering at from 50*s.* to 53*s.* per lb.

Heavy Chemicals.

London, January 12.

THERE is no improvement to record in the tone of the market. Business is almost negligible, no doubt due to the general stagnation in all industries. Holders of stocks seem willing to clear at almost any reasonable offer, but even under those favourable conditions buyers are hard to find. It is very difficult under the present conditions to define a market price, owing to the very wide difference in quotations that come under our notice.

ACETIC ACID is again showing a weak market, and prices are inclined to ease off a little; current prices are 72*l.* per ton for 100 per cent. glacial, and 80 per cent. pure about 66*l.* per ton.

ACETONE continues dull; in fact, there is no business, and prices are purely nominal at about 105*l.* per ton for British Government specification.

ALUM is quiet and weak, with prices maintained at about 19*l.* per ton.

ARSENIC.—There has been virtually no business for some little time past, and the market is nominal. The chief agents handling white Cornish quote about 64*l.* per ton for white powdered. There is not a great deal of material available, but in the absence of demand the tone is weak.

BARYTES remains very quiet, with prices unchanged from last week at from 6*l.* 5*s.* to 10*l.* 10*s.*, according to grade.

BLEACHING POWDER shows a slight fall from last week, and is unsteady, with very little inquiry; current price is about 23*l.* per ton.

COPPER SULPHATE.—There is some little export inquiry and the market seems fairly steady, some makers still quoting 40*l.* for casks f.o.b. Liverpool, although some few parcels were recently done down to about 38*l.* less 5 per cent.

EPSOM SALT is not in much demand and remains quoted at about 8*l.* per ton for commercial quality in bags.

FORMALDEHYDE is again on the easy side and current quotations show up at about 130*l.* to 135*l.* per ton; there is but very little demand and good stocks are offering.

GLAUBER'S SALT is inclined to fall on an unsteady market with but small inquiry; price is about 7*l.* 10*s.* per ton.

LEAD ACETATE has declined during the week, and is now quoted on a dull market at about 64*l.* for white crystals and 61*l.* for brown broken.

LEAD PRODUCTS.—Prices for red lead and litharge were lowered 25*s.* per ton on Wednesday, ranging from 44*l.* to 45*l.* 10*s.*, according to quantity, these rates applying to the home trade and export only to British Colonies, Dependencies and Protectorates' governments, including Egypt. A reduction was made of 65*s.* a ton for export to Russia, Scandinavia, Denmark, Italy, France, Holland, Spain, Portugal, Greece, Switzerland, Roumania, Belgium, Germany, Turkey, and Montenegro, and the rates for these countries ranges from 41*l.* 10*s.* to 43*l.* 10*s.* f.o.b., according to quantity. Dry white lead was reduced for the home trade by 35*s.* per ton to 51*l.* 5*s.* and for export by 55*s.* to 49*l.* 5*s.*, while white lead in oil was lowered 30*s.* on home account to 59*l.* 15*s.* to 66*l.* 5*s.*, according to quantity, and by 3*l.* per ton for export to 57*l.* 5*s.*

LIME ACETATE is unchanged and quiet at 27*l.* for 80 per cent. and 34*l.* for 92 per cent. material.

LITHARGE is nominal, with values unchanged at about 41*l.* per ton.

LITHOPONE is being inquired for fairly well, and is quoted at 32*l.* for 30 per cent. red seal Continental material and about 40*l.* for green seal; prices are steady.

OXALIC ACID is very weak and unsteady; quotations are mainly at 1*s.* 4*d.*, but there are some offers at 1*s.* 3*d.* per lb.

POTASHES.—Montreal are quoted at from 195*l.* to 200*l.*, which is a reduction on previous prices.

POTASSIUM BICHROMATE is not moving and values are easy at 1*s.* 2*d.* to 1*s.* 3*d.* per lb.

POTASSIUM CARBONATE is now reduced by makers to 63*l.* per ton; market is not at all active.

POTASSIUM CHLORATE is now quoted by makers at 7*d.* per lb., spot parcels are also offering at this figure, but there is little demand.

POTASSIUM PERMANGANATE.—Commercial quality is quoted by makers at 2*s.* 9*d.* per lb.; spot parcels are offering slightly less, but there is small demand.

POTASSIUM PRUSSIATE.—Makers quote 2*s.* 3*d.* for red and 1*s.* 6*d.* for yellow; spot parcels are offering at about these figures; also market is very quiet.

SALTCAKE is steady, with a moderate inquiry and a little business passing; prices are unchanged at 13*l.* 10*s.* per ton f.o.b. in bulk.

SODA ASH (58 per cent. light alkali) is quoted by makers at 8*l.* 10*s.* for home trade only; spot parcels are offering at about 10*l.* f.o.b., but there is a very small demand.

SODA CRYSTALS are quoted by makers for home trade at 7*l.* per ton carriage paid; spot parcels are offering at 8*l.* per ton; market quiet.

SODIUM BICARBONATE is quoted by makers at 9*l.* per ton for home trade only, spot parcels are offering at about 11*l.* per ton for refined, but there is very little inquiry.

SODIUM BICHROMATE is quoted by makers at 10½*d.* per lb.; spot parcels are offering as low as 9*d.* per lb., but business is very slow.

SODIUM CAUSTIC, 70 to 72 per cent., is quoted by makers at 24*l.* 10*s.* per ton for home trade; spot parcels for export are offering at about 27*l.* per ton f.o.b. American material is also offering at competitive prices c.i.f.

SODIUM CYANIDE remains unchanged and quiet at the makers' price of 1*s.* per lb. per 100 per cent. basis f.o.b.; demand is very small.

SODIUM HYPOSULPHITE is easy; pea crystals in kegs are moving slowly at about 29*l.* 10*s.* per ton; commercial quality on spot is 23*l.*; makers offer for home trade at 22*l.* per ton.

SODIUM NITRATE.—Refined 96 per cent., f.o.r. Liverpool, is about 23*l.* per ton, and there is but small demand.

SODIUM NITRITE is offered by makers at 55*l.* per ton for 100 per cent. on a dull market.

SODIUM PRUSSIATE is quoted by makers at 10½*d.* per lb., spot parcels offering at 1*s.* to 1*s.* 1*d.*; there is small inquiry.

SODIUM SULPHIDE is quoted by makers at 33*l.* per ton; spot parcels are offering at about 35*l.* per ton for 60 to 62 per cent. solid material; market is unusually quiet.

SODIUM SULPHITE is easier and not in demand; anhydrous material is offered at about 39*l.* per ton on the spot

TIN CRYSTALS are very quiet and fairly steady at 1*s.* 9*d.* per lb.

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ZINC OXIDE.—Continental competition, chiefly on German account, has tended to accentuate the recent weakness. Quotations are widely divergent on the part of home makers and their agents. Business could be done at 53*l.* for white seal, 51*l.* for green seal, and 48*l.* 10*s.* for red seal, although some sellers are asking considerably more. German is obtainable at some few pounds a ton below.

COAL-TAR PRODUCTS, ETC.—The only change of any importance to record this week is a further slight decline in the prices of some grades of naphthaline. The market is still very quiet. Aniline oil and aniline salt remain quoted at about 1*s.* 9*d.* per lb., but there is small business only. Betanaphthol is quiet, with prices inclined to be unsteady at 2*s.* 6*d.* per lb. Benzol remains quoted at 3*s.* 4*d.* per gallon for pure and 3*s.* for 50's on a dull market. Toluol is unchanged and quiet at 3*s.* 6*d.* per lb. for commercial and 3*s.* 10*d.* for pure quality Heavy naphthat are not moving and remain quoted at 3*s.* 3*d.* per gallon. Burning oil is steady at 1*s.* 7*d.* and 1*s.* 8*d.* per gallon, but only moderate business is passing. Creosoto oil is very quiet, with values maintained at about 1*s.* 2*d.* per gallon. Carbolic acid crystals are in good supply, with very small demand; prices are unsteady and makers' prices may be put at about 9*d.* per lb.; a few re-sale parcels are offering at below this figure. Naphthalene is weak and prices of all grades are unsteady; prices are round about 39*l.* for flakes, 38*l.* for crystals, and 39*l.* for powder; market is almost inactive. Disinfectants are steady but quiet at about 3*s.* 10*d.* per gallon. Pitch is firmer and now quoted at 8*l.* 10*s.* per ton.

Essential Oils.

BUSINESS, which showed signs of a slight revival during the past week, seems to have fallen off again. The activity in star anise oil was of short duration, and the price has already almost reached its previous low level. Sicilian oils are extremely dull, and strong holders endeavour not to be influenced by the cutting tactics of those who must realise. There is an easier tendency, however, in bergamot, cassia, citronella, caraway, geranium, patchouli, and peppermint oils. Clove oil is cheaper. A slight decline is also evident in some of the lesser used articles. Synthetic chemicals are not much wanted, and quotations are, in most cases, nominal. Bromstyrol and methyl anthranilate are cheaper; coumarin is lower.

ANISE, STAR.—After the close of our last report spot sales were made at from 3*s.* 4*d.*, the week closing with business up to 3*s.* 6*d.* This week, however, prices have declined, sellers quoting down to 3*s.* To arrive, sales have been made at from 2*s.* 11*d.* per lb. c.i.f. to 2*s.* 9*d.*

BERGAMOT is dull and easier on spot at from 28*s.* to 32*s.* 6*d.* per lb., according to holder, for 37 to 39 l.a. Forward quotations are unchanged at 26*s.* 6*d.* to 30*s.* c.i.f.

CALAMUS.—Forward offers have been made around 25*s.* per lb. c.i.f.

CARAWAY.—Dutch distilled is slightly easier on spot at 9*s.* 3*d.* per lb. for rectified.

CASSIA.—Spot 80-85 is dull; holders are not inclined to quote less than 6*s.*, although bids of 5*s.* 9*d.* would probably be accepted.

CEDARWOOD is in better supply, chiefly owing to stocks having accumulated as a result of the lack of buying. Spot quotations are, however, well maintained at from 4*s.* to 4*s.* 3*d.* per lb. It is said that cedarwood oil is one of the few articles which have not declined during the trade depression in America.

CINNAMON.—Ceylon leaf is quoted at 6½*d.* per oz. for spot, although small business has been done at 6¾*d.* B.P. bark oil is obtainable on spot at 70*s.* per lb.

CITRONELLA.—There is very little demand, and spot is easier at from 1*s.* 7½*d.* to 1*s.* 9*d.* per lb. for Ceylon. Forward is quoted 1*s.* 6*d.* c.i.f. Java is weaker on spot, with sellers at from 4*s.* 3*d.* to 4*s.* 6*d.* per lb.

CLOVE.—English distilled is obtainable at 8*s.* 6*d.* per lb. for spot, which is lower.

CORIANDER.—Foreign oil is lower at from 65*s.* to 70*s.* per lb. for spot.

CUBEB is lower at 48*s.* per lb. for Dutch on the spot.

CUMIN is obtainable on spot at 30*s.* per lb., which is lower.

EUCALYPTUS.—Further arrivals at London have been announced, including 279 cases by the *Bakara* and 161 packages by the *Cooee.* There is very little demand during the present unseasonable weather, and 3*s.* to 3*s.* 2*d.* spot is still quoted at first-hands for 60-65 and up to 85-90 per cent. cineol. The market, however, is in a disturbed state owing to second-hand parcels being offered by weak holders, who appear to be "cutting their losses," and from this source we hear of general quotations of from 2*s.* 9*d.* per lb. upwards. *Amygdalina* is unchanged at 1*s.* 10*d.*, and *Citriodora* at from 18*s.* to 20*s.*, according to quantity.

GERANIUM.—Bourbon is easier, spot holders quoting 35*s.* per lb. Forward quotations are round about 30*s.* c.i.f. Algerian on the spot is steady at from 40*s.* to 44*s.* per lb.

GINGERGRASS.—"Insoluble" is quoted on the spot at 18*s.* per lb., but a firm offer at less would probably be accepted.

LEMON.—Second-hand parcels are coming on the market at low prices, but the average quotation for spot appears to be around 4*s.* 3*d.* to 4*s.* 9*d.* per lb. Forward quotations are also irregular, and 4*s.* to 4*s.* 6*d.* is about the value.

LEMONGRASS is dull and unchanged at from 6*d.* to 6½*d.* per oz.

LIME.—West Indian distilled is lower, being offered at 4*s.* per lb. on the spot.

MINT OIL.—Arrivals of Japanese dementholised have fallen off recently, and supplies on the spot, although not scarce, have diminished somewhat. On Wednesday sales of Kobayashi-Suzuki were made at 4*s.* 10½*d.* to 5*s.* per lb. The *Inaba Maru* has brought 165 cases to London.

NUTMEG is weaker at 9*s.* 6*d.* to 9*s.* 9*d.* per lb. on the spot.

ORANGE appears to be quite neglected, and nominal quotations for Sicilian on spot range from 15*s.* 6*d.* to 18*s.* 6*d.* per lb.

PATCHOULI is easier at from 72*s.* to 75*s.* per lb. on the spot.

PEPPERMINT.—American tin oil is slightly easier, and spot quotations are made around 31*s.* to 32*s.* per lb. Prices show a decline of about 2*s.* per lb., this being due to the improvement in sterling as expressed in dollars. H.G.H. can be bought at 60*s.*, which is lower.

ROSEMARY.—Spanish is weak, quotations being made at from 3*s.* 6*d.* to 4*s.* per lb., with sales at slightly under.

SANDALWOOD.—West Indian (*Ol. Amyris*) is quoted on spot about 25*s.* per lb., which is unchanged. Western Australian is steady at 25*s.* to 28*s.* per lb. Mysore Government oil is quoted at 45*s.* per lb. in 5-case lots.

SPIKE.—Spanish is nominal at from 6*s.* to 6*s.* 9*d.* per lb., according to holder.

WORMSEED.—Spot holders are quoting around 37*s.* 6*d.* to 40*s.* per lb., but parcels afloat are offered at 30*s.* per lb.

WORMWOOD.—There is not much on spot, and forward quotations are made as high as 100*s.* c.i.f.

Aromatic and Synthetic Chemicals.

AUBEPINE is quoted at 20*s.* per lb. BROMSTYROL is easier on spot at 19*s.* to 20*s.* per lb. COUMARIN on spot is lower at 15*s.* 6*d.* per lb. GERANIOL, crude, from Java citronella, is obtainable at 7*s.* 6*d.* per lb. HELIOTROPINE is unchanged at 15*s.* per lb. spot for 100 per cent.; commercial quality is offered at 9*s.* to 10*s.* METHYL ANTHRANILATE is cheaper at 18*s.* to 19*s.* per lb. TERPINEOL, spot quotations are irregular, and prices vary from 3*s.* 3*d.* to 4*s.* 6*d.*, according to sellers and origin.

Wormseed Oil.

AT the December meeting of the Baltimore branch of the American Pharmaceutical Association Dr. A. L. Sullivan, Maryland Pure Food and Drug Commissioner, gave an address on *The Manufacture of Oil of Wormseed in Carroll County, Maryland.* The wormseed-oil belt, he said, extends from a little north of Westminster southwards to Woodbine, a distance of about fifteen miles, and is four miles wide. Within this belt the cultivation of the herb has gone on for a century, the method of cultivation differing only as agricultural processes have varied, and the distillation being somewhat changed from time to time as new appliances came into use.

Brazilian Ipecacuanha.

THE exports of ipecacuanha from Bahia to the United States decreased from $61,409 in 1918 to $19,717 in 1919. During 1918 the United States took 212 bales, weighing 125 lb. each, out of a total of 215 exported. In 1919 only 69 bales were shipped to the United States, compared with 87 to England, out of a total of 165 bales, the remainder going to Germany and the Netherlands. The average f.o.b. price during 1919 was about $2.70 per lb., compared with $2.50 in 1918, $3.40 in 1916, and $1.80 in 1914.

French Flower Crops.

THE following report of the effect on plantations of the recent cold weather, which has been exceptionally severe in the South of France, has been received: Lemon, orange, and cassie trees seem to have been the most affected; the harm done, however, may be more apparent than real, and the plants may recover by next spring. Geraniums, particularly the slips, have been specially attacked. As regards jasmine plants, only those which were not sufficiently protected by earth have suffered. The districts most affected by the cold are those of Pegomas and Plascassier, Cannes having escaped the worst.

Japanese Vegetable Wax.

A CONSIDERABLE falling-off in the Japanese vegetable wax industry is reported from Tokyo following the cessation of the great war trade. More than one-half of the makers have relinquished the business, and the output has declined about 40 per cent. During the war there was an enormous demand from England and the United States, and once bleached wax threatened to reach 70 yen per picul. But on the cessation of the war there was a sudden change in the wax trade, the volume of foreign demand having become strikingly smaller. In 1917, for instance, the total volume of exports reached 49,761 piculs. In the following year it reached 89,240 piculs, and in 1919 the exports shrank to 16,487 piculs. Up to the end of September 1920 only 5,193 piculs were shipped for export against 10,908 piculs for the same period last year. Official investigations reveal the startling fact that manufacturers, who numbered 1,945 formerly when the export trade was at its height, were reduced to 994 as the after-war depression began.

Chemical and Dyestuff Exports.

THE Chemical and Dyestuff Traders' Association, in a circular just issued to members, state that considerable uncertainty exists as to the chemicals and dyestuffs covered by the Dyestuffs Act, and that a complete list is in preparation. Chemicals, however, excluded from the present Bill may be included in the new Key Industries Bill which is to be introduced early next session, and which is intended to secure protection over a limited period for the organic chemical industry and the scientific glassware industry. Attention is drawn to the refusal of British manufacturers to grant certificates for the export of alizarine and other home-made dyestuffs, and it is stated that this matter is being taken up with the Board of Trade on the ground that the manufacturers' attitude when there are surplus supplies on the home market results in the restriction of British export trade at a time when the recovery and expansion of such trade is of vital importance to national finance. Other matters under consideration are the policy of the Profiteering Act authorities and the restrictive effect of *ad valorem* shipping rates.

Java Cinchona.

THE HON. C. H. STRUTT (chairman), presiding at the annual meeting of the Anglo-Dutch Plantations of Java, Ltd., held recently at Cannon Street Hotel, London, E.C., said: "Our cinchona did well last year. It cost a little less than in 1918, and fetched 3½ cents more. There is, however, a falling-off in 1920 as compared with 1919. We still have some 1,000 acres or more which we consider will grow cinchona profitably, but on some of the land we have already planted the growth is scarcely good enough to enable us to obtain as large profits as we should like. I look to the rich lands of some of the Sumatra concessions to carry on this important culture. In 1919 we planted up 357 acres in cinchona, and we propose to plant 159 acres in 1920. There is still a great demand for quinine, and it is very desirable that we should lose as little time as possible in growing what we can; otherwise attempts may be made to grow it elsewhere on a large scale, which, although most likely unsuccessful from a commercial point of view, may yet tend to make the crop unremunerative to all producers for a considerable period. . . Of the land now left to us in Java only a limited amount is of the right quality, and favourably situated for the cultivation of cinchona. We hope to start off in Sumatra with the initial and very great advantage of being able to use the experience of our Java experts in cinchona in helping us to open out those new concessions."

Jubilee of Amsterdam Cinchona Auctions.

IN 1854 the cultivation of cinchona was initiated in Java, but the first consignment of bark to be despatched to Europe did not leave the island until the year 1869. Professor P. van der Wielen ("Pharm. Weekbl.," No. 42, 1920) reminds his countrymen that on October 20, 1920, fifty years had elapsed since the first auction of Java cinchona-bark was held in Amsterdam. The event itself passed practically unrecorded by the medical and pharmaceutical journals of that day, nor has it been possible to trace any report of this first auction, which took place on October 20, 1870, and included 750 kilos. of bark, consisting principally of *Calisaya pahudiana*. Of this amount 250 kilos. were used as samples, and the remaining 500 kilos. were sold at an average of 2.57fl. per kilo. The second auction was held on March 14, 1872, at which about 6,200 kilos. of bark were dispesed of, at an average price of 3.06fl. Full details are available concerning the third auction, held on May 27, 1873, which consisted exclusively of Government bark—viz., 176 cases, aggregating 11,322 kilos. of Java bark, and 32 cases with about 3,800 fine fragments. The notice of this auction is signed by the brokers, Messrs. G. de Vries & Sons. The highest price was realised by four cases of about 261 kilos. of bark, of which Van Gorkom states in the auction notice: "The bark was obtained from trees grown from Calisaya seeds received in 1865 from America, and is distinguished by its high content of alkaloids, amounting to no less than 7 per cent., three-quarters of which consist of pure quinine." From this description it is evident that it referred to the first consignment of Ledgeriana bark. It was purchased by Zimmer & Jobst, who paid 9.12fl. per kilo., an amount considerably in excess of the taxed price. Bark from privately owned cinchona plantations was offered for auction for the first time in 1876.

Arrivals of Drugs and Chemicals,

London

(January 5 to 11).

Chemical products, etc.: (Germ.) 53 pkgs., (Holl.) 84 pkgs. 6 cks.
Acetic acid, (Holl.) 10 pkgs. 153 cks., (Germ.) 25 cks.
Argol, (Fr.) 561 bgs., (Port.) 269 bgs.
Arsenic (Jp.), 120 cs.
Barytes (Hamb.), 140 cks.
Barium peroxide (Fr.), 40 cks.
Bromide potash (Hamb.), 14 cs. 18 pkgs.
Chromo alum (Holl.), 14 cks.
Cream of tartar (Sic.), 20 cks. 100 kgs.
Lactic acid (Germ.), 49 brls.
Lead. sugar (Hamb.), 5 brls.
Magnes. chloride (Germ.), 75 drms.
Methyl salicyl. (Fr.), 20 cs.
Potash caustic (Hamb.), 38 drms.
Potash chlorate, (Germ.) 8 cks., (Belg.) 500 bgs.
Potash salts, (Antw.) 50 bgs. 10 pkgs., (Germ.) 20 bgs.
Quinine (Jv.), 595 cs.
Silver nitrate (Hamb.), 32 cs.
Soda salicylate (Fr.), 25 cs.
Strychnin. sulph. (U.S.), 6 brls.
Tartar (Fr.), 696 bgs.
Zinc oxide, (Hamb.) 35 crts., (Antw.) 40 brls.
Crude drugs, etc.: roots (Bahia), 50 bgs.; roots, barks, herbs (N.Y.), 42 pkgs.; drugs (Hamb.), 41 bgs.
Belladonna root (N.Y.), 47 pkgs.
Chaulmoogra oil (Cal.), 16 cs.
Cinchona, (Cey.) 33 bls., (Jv.) 40 bls.
Cod-liver oil (Norw.), 271 brls.
Eucalyptus oil (Melb.), 27 drms. 279 cs.
Gentian (Fr.), 18 bls.
Kola (Grenada), 4 bgs.
Liquorice root, (Smyr.) 18 pkgs., (Sic.) 10 bls.
Nux vomica (E.I.), 2,704 pkgs.
Opium (Tky.), 92 cs.
Rhubarb (Ch.), 16 cs.
Senna (Ccy.), 50 bgs.

Liverpool

(January 1 to 10).

Chemical products: (Norw.), 34 cks.
Betanaphthol (N.Y.), 21 brls.
Bromide potash (Germ.), 11 cs.
Calc. borate (Chile), 9,751 sks.
Calc. ferrocyanide (It.), 6 pkgs.
Calc. tart. (Fr.), 316 bgs.
Cream of tartar (It.), 100 brls.
Magnes. chloride (Holl.), 37 cs.
Potash bichrom. (N.Y.), 15 cks.
Soda bichrom. (N.Y.), 64 cks. 90 brls.
Tartar (Fr.), 306 bgs.
Zinc oxide (U.S.), 200 brls.
Crude drugs, etc.: leaves (Fr.), 55 bls.
Aloes (Curaçao), 20 cs.
Canada balsam (St. John), 2 brls.
Cinchona bark, (Arica) 100 bls., (Manaos) 281 bgs.
Cod-liver oil (Norw.), 25 brls.
Liquorice, (Fr.) 71 bgs., (Sic.) 21 brls.
Liquorice juice (Sic.), 4 cs.
Sarsaparilla (Colon), 78 bls.

Manchester

(January 3 to 8).

Formaldehyde. (Belg.) 140 drms., (N.Y.) 392 brls.; lead acetate (Germ.), 10 cks.; magnes. chlor. (Holl.), 40 drms.; soda bichromate (U.S.), 117 cks.; soda chlorate (U.S.), 500 drms.

Hull

(January 3 to 8).

Acetic acid (Holl.), 10 cks.; betanaphthol (Holl.), 6 cks.; zinc oxide. (Holl.) 10 cks., (Germ.) 125 brls.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Profits on Outlay.

SIR,—The letter of Mr. J. H. Hart (*C. & D.*, January 8, p. 74) deserves the attention of all pharmacists who are in business as retailers, disclosing, as it does, the way in which figures can be made to show a profit at first sight, which soon disappears under more careful inspection. I should, however, be glad to know how Mr. Hart arrived at his figures of sales costs. Does he base his 26 per cent. on working expenses against total receipts? If so, it seems to me that the number of customers served has a great deal to do with the amount of 2½*d.* to 3½*d.* he allots to each serving, as a shop in a poor neighbourhood may serve double or treble the number of people for the same turnover as one in a better-class district, and in this case the average amount spent by each customer will be considerably less, and the sales cost, therefore, different. If, however, Mr. Hart's figure holds good, every time he serves a customer with a twopenny box of pills it costs him 2½*d.* to sell it, so that he makes a dead loss on the transaction; similarly with all small lines, such as seidlitz powders, violet-powder, ointments, etc. Again, there will be a loss on those 1*s.* 3*d.* proprietary lines which only show a margin of 2*d.*, and, to look no further than the next page of the same issue of the *C. & D.*, Mr. Sidney Lane, of Hove, draws attention to a 2*s.* 9*d.* hair-preparation with a profit of only 2*d.* It is obvious, therefore, that these lines are merely passengers, and do not earn their fare; and, as the patent-medicine account is generally a large item in most pharmacists' cheque-books, the other goods have to earn considerably more than their average if we are to make good; but at the present time it is doubtful whether they do this, and it is necessary that the whole system of pricing should be reviewed. Will the new Pharmacists' Union set about the task? Yours faithfully,

CHAS. HAMUS (10/1).

The Retail Pharmacists' Union.

SIR,—Under the rules of the R.P.U. a limited company may only be represented by a director who is a pharmacist, and he will be able to cast one vote for every shop owned by his company. It follows, therefore, that, although a director of a company may sit on the Central Committee of the Union, he cannot sit on the local Committees, or even be represented, as he has no power to delegate his authority to any pharmacist in any particular locality where his company's shops are situated. The question of wages is perhaps a national one, but the fixing of hours and prices is essentially a local one, and no doubt will be under the unfettered control of the local Committees. Under the rules at present drafted the power of these Committees will be practically *nil*, as they cannot command the support of all the pharmacies in the locality, and it is hardly likely that company shops, being unrepresented on the local Committees, will agree to abide by its decisions. Some provision will have to be made for the representation of company interests on local Committees. The door will then be opened for the company chemists to come in if they wish to, but at present it is barred and bolted.

Yours faithfully,

Rochdene, Kirkburton. H. L. BLAKE.

SIR,—I give below two instances of the slack methods exhibited in the selling of poisonous substances by some chemists recently, and I trust the Retail Pharmacists' Union, when established, will handle these matters early, and impress the sellers with the necessity of carrying out the law strictly. The first case is where a child, unknown to the chemist, asks for "tabloid aloin compound," and when told a prescription should be brought for same, tells you that the tabloids can always be obtained without any difficulty. Sometimes not even is the purchaser asked to "sign a book." The second case is where an old "coffee extract" bottle, bearing a label "Camphorated Oil," is presented, and one is asked to fill it with camphorated oil. On pointing out the danger of placing a liniment in such a bottle, and offering to give a poison bottle in exchange, the customer gets angry and walks out saying, "I can always get it at "———'s" without any trouble. If the R.P.U. will deal with such matters, I am sure it will be welcomed by all conscientious chemists. Yours faithfully,

"RED LIGHT" (7/1).

Blossoming Furze.

SIR,—The impression that is prevalent concerning the perennial flowering of the common furze is a very natural, although a mistaken one. The ordinary furze, *Ulex Europæus*, begins to flower in December, is in full bloom in March and April, and continues sometimes in a desultory manner as late as June. Then the dwarf furze begins to flower, and is in full bloom in August. When mixed with the heather, then in blossom, it forms gorgeous purple and gold carpets wherever, as in Jersey, it is abundant. *Ulex Gallii* then takes up the tale, and from August to November blossoms freely. *Ulex Europæus* is rarely less than 2 feet high when it begins to flower; the *Ulex nanus* has a decumbent habit, and is rarely more than 1½ feet high, and the flowers are paler and do not expand the wings widely. *Ulex Gallii* is easily recognised by the larger lateral spines of the branches being decurved, and the flowers more of an orange tint. But an ordinary observer would discount these differences, if noticed at all, and merely regard the other species as more or less dwarf plants. *Ulex Gallii* is sometimes as short as *Ulex nanus*, and sometimes as tall as *Ulex Europæus*, but may always be recognised by the stout spines curved backwards. Yours truly,

SEMPERVIRENS (12/1).

The Chemist's Dress.

SIR,—It is nearly forty years since I was apprenticed to "the art and mystery of an apothecary" in that scene of so much tragedy—the unfortunate kingdom of Ireland. The Irish Pharmaceutical Society had been in existence for barely half-a-dozen years, and the pharmacy was still described as the "doctor's shop." "Profitable extras" were unknown, and the Irish licentiate of those days, except that he sold perfumery, corresponded exactly with the *pharmacien* in the fair land of France to-day. He held his head very high, and, as he had generally purchased his business from an apothecary, in country districts, at any rate, he was invariably addressed as "Doctor," whether he liked it or not. In truth, he rather liked it, and in a country where the title "Dochter" was bestowed on every medical student the day he joined his medical school, by his professors, the actual graduates in medicine often copied the laymen in bestowing the courtesy title of science on the fortunate craftsmen of that golden age. Those *C. & D.* readers who can recall the period of which I write will remember that medical practitioners were very punctilious in their dress. In Dublin and the large towns a silk hat and frock-coat were always worn, and in the country at least a dark suit and "a hard hat"—which is the Irish for "bowler"—were essential. The pharmacists were no less punctilious, and my contemporaries, as qualified or unqualified assistants, would have struck in a body if required to wear an apron or even an old coat in the "compounding room" as the dispensing department was called. At the front counter a frock-coat, or at least a morning-coat, was insisted on by the principal "establishments"—they were never called "shops"—and in Dublin the leading firms of "State apothecaries and chemists to the Queen" would not allow an Irish brogue at their "front counters." So anxious were they to impress the "Castle folk" and gentry who formed the major part of their *clientèle* that they imported English Minor men of faultless appearance and address to serve their customers. No Irishman was allowed to deal direct with their constituents, and the absentee landlord of the

period paying a brief visit to the source of his revenue might have been "at home" (!) in England when he entered one of those exclusive "establishments" in Sackville or Grafton Street. Aprons were only worn by druggists and their henchmen, and, if I recollect aright, there has been much discussion in these pages as to the seemliness or otherwise of wearing those badges of servitude or at least inferiority. In view of these memories my amazement can be pictured on entering one of the leading pharmacies in London and finding all the assistants wearing white coats similar to those worn by the assistants in ham and beef shops. I agree that suits cost more now than when I was an assistant, but I would point out that wages have risen more even than the price of clothes. I managed to dress as a front-counter man on the noble salary of 2*l.* 6*s.* 8*d.* per month and was complimented on my appearance more than once, and if this was possible then it should be practicable for the assistants of to-day to dress like gentlemen on an income of at least four times that amount. Yours sincerely,

AN IRISH APOTHECARY (6/1).

Welfare Centres Supplies.

SIR,—I am glad to see in the report of the Local Associations Executive Committee (*C. & D.*, January 8, p. 65) that some action is to be taken with regard to the supply of foods by local welfare centres. This supply is an injustice which pharmacists have been complaining about for some time without satisfaction, the only reply they have received from manufacturers being to the effect that the distribution is Government controlled, and as such they had no option in the matter and were compelled to supply. At the same time pharmacists cannot but consider that the system was first inaugurated by the coupon scheme, and there is not much doubt that this eventually led to the Ministry of Health carrying it on as at present. If the supply of these foods was really confined to genuinely necessitous cases, pharmacists would be the last to object, but it is well known that it is not so, and, in fact, anybody can obtain them at reduced prices if they are unscrupulous enough to declare that they cannot afford to purchase in the usual way. It is, however, quite another matter to get detailed and authenticated particulars, as persons are not likely to incriminate themselves, and, as I have found personally, if one begins to question people carefully with a view to getting details they become very reticent and no information can be gained. Also the officials are not likely to help the pharmacists in their inquiry, especially as in some cases it might possibly be found necessary to commence with municipal staffs, etc. It is easy to see, therefore, that the circular sent out by the L.A.E. will be very difficult to reply to, except in general terms, which are not, of course, admissible as evidence, although at the present time many chemists are experiencing quite a slump in the sale of these foods, and there is no doubt that it is due to the competition of these centres. Yours faithfully,

SLUMPER (8/1).

Women Assistants' Pay.

SIR,—It is impossible to classify assistants according to sex, as "Ir-ragel" (*C. & D.*, January 8, p. 75) tries to in his letter. There are loyal, conscientious, hard-working women as well as men, and there are also some of both sexes to whom this description does not apply. It is true that men are usually asked to help when there is any heavy lifting to be done, but why should they not, considering their superior strength, and, also, as a rule, their greater height, which is such a help in weight-lifting? Most of the men I know are rather proud of being able to do it! The "pay" question is a difficult one, but why should a young man who lives at home with indulgent parents, and has scarcely a responsibility in the world, expect (and receive) a much higher salary than a young woman who does quite as much work as he does, and who has to live on her earnings, in "digs," with no home to fall back on? (I am not speaking of qualified men and unqualified women.) I do not think there is any answer to this question. Yours sincerely,

"REASONABLE." (13/1.)

Legal Queries.

K. & S. (17/12).—Apprentice indentures are a contract of service and would be meaningless if executed after the apprenticeship had expired. A memorandum recording that an apprenticeship had been served could be made, but this would not be indentures.

Temporibus (20/12).—The custom in regard to notice to terminate an engagement in the retail drug-trade is a month's notice on either side. The notice does not depend upon the frequency of the payment of wages, unless there is a definite agreement in writing.

D. D. S. (3/1).—(1) Trading names not those of the persons carrying on the business must be registered under the Registration of Business Names Act, 1916. An alien is also subject to restrictions as to trading in other names than his own. (2) There is no reason why the Post Office should object to a trading name.

H. C. M. (3/1).—(1) When powdered opium is made into pills by means of an excipient it is no longer "opium," within the meaning of the Cocaine and Opium Regulation. Raw opium made into pills without an excipient cannot be supplied to the public with or without a medical prescription. (2) A month's notice or a month's salary is the custom of the trade in regard to assistants in the retail drug-trade.

Liverpool (1/1) asks what steps have to be taken in Ireland in order to have a solicitor's bill of costs taxed. [In England the procedure is to make an application to the Court by summons. Whether the application should be made in the High Court or a County Court depends upon the nature of the services to which the bill of costs relates. We are unable to say what is the corresponding procedure in Ireland, but it is probably similar to that prescribed in this country.]

H. B. (21/12) posted a number of cheques drawn on Farrow's Bank on December 18, in payment of accounts. The bank suspended payment on December 20; will it be bound to meet the cheques? [As regards any of the cheques which were not presented, and paid, on December 18, "H. B." is in no better position than any other person having an account with the bank merely upon the ground that the cheques were drawn prior to the actual date of suspension of payment by the bank.]

B. B. (6/1) has a son who is apprenticed to a chemist for a term of three years, of which he has already served about half. The employer has of late "been an absolute bully" and very trying to the lad's nerves. Would it be possible to have the indentures transferred to another chemist for completion of the term? [In our opinion the indentures could not be transferred except with the concurrence of the chemist. Nor do we think that the fact that the chemist has lately adopted a bullying manner would justify a rescission of the indentures, unless it can be shown that the lad's health is likely to be affected.]

M. C. L. (30/12) holds a retailer's wine and spirit licence as well as a dealer's licence, and he wishes to know if he can legally mix and sell black beer and rum in three-gill bottles. [It is understood that the licences referred to are a dealer's licence to sell beer and the retailer's wine and spirit licences "off." The reply is "No." A person who is a beer dealer or retailer is not allowed to adulterate, dilute, or add anything to beer except finings, under a penalty of 50*l.* and forfeiture of the beer so diluted or adulterated. The quantities in which it is intended to be sold make no difference in the position. It has also to be kept in mind that the sale of beer mixed with rum might involve the risk of proceedings against the seller under the Sale of Food and Drugs Acts.]

H. T. W. (7/1) is the tenant of a lock-up shop at an annual rent of 34*l.* The landlord recently gave him notice increasing the rent by 40 per cent. to 46*l.* 12*s.*; is this increase enforceable? [Before he can increase the rent the landlord must terminate the existing tenancy by the

requisite period of notice. Assuming, however, that he has done this, and also that he is responsible for all the repairs to the premises, he is entitled to give "H. T. W." a month's notice increasing the rent by an amount not exceeding 60 per cent. of the net rent paid in August 1914—that is to say, the rent paid on that date after deducting the rates, if they were paid by the landlord. If the landlord pays the rates he may also increase the rent by an amount equivalent to the difference between the current rates and those charged in August 1914. If, on the other hand, "H. T. W." is under an obligation to do the whole or part of the repairs, the percentage of increase allowed will be reduced accordingly.]

R. E. G. (5/1) has for about two years past employed a boy, who is now aged thirteen and a-half years, to run errands. The boy works for "R. E. G." before school, after dinner, and after tea, making in all about three hours' employment per day. Is this permissible under the Employment of Children Act, 1903? [The restrictions upon the employment of children imposed by the Act mentioned were considerably increased by the Education Act, 1918. The latter Act prohibits entirely the employment of children under twelve, and older children must not be employed for more than two hours on Sundays, before 6 A.M. or after 8 P.M. on any day, and on school days until after school hours. Local authorities are empowered to make by-laws varying these restrictions to some extent, but if a child is allowed to be employed on school days before 9 A.M. it must not be for more than an hour, and a child so employed must not be employed for more than an hour in the afternoon. "R. E. G." should ascertain from his local Education Committee the extent to which he is at liberty to employ his errand-boy.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. E. A. C. (13/15).—(1) RED CATTLE DRENCH.—This preparation yields 34 per cent. of ash and contains magnesium sulphate (probably 60 per cent.), with small quantities of sulphur, potassium nitrate, belladonna root extract and Armenian bole. (2) RED EWE DRENCH.—This sample yields 58 per cent. of ash, contains a large proportion of magnesium sulphate, together with small proportions of potassium nitrate, sulphur (less than in the red cattle drench), Armenian bole, and probably a very small quantity of belladonna-root extract.

G. F. S. (1/1).—TINCTURE OF IODINE, FRENCH CODEX.—The present edition of the French Codex orders a solution of iodine 1 part in alcohol (95 per cent.) 9 parts by weight, the strength having been altered to that recommended by the International Convention. Some confusion has arisen regarding the strength of the tincture from the fact that the older strength (iodine 1 gram, alcohol, 90 per cent., 120 grams) is sometimes ordered. (2) We will find out whether there is a London agent for Factolac.

R. G. (28/12).—PRICE OF MIXTURE.—The prescription works out as follows on the London Simplified System:

Potass. iod.	℥ss.	16.5*d.*
Potass. brom.	ʒij.	1.5
Tinct. digit.	ʒiij.	3.0
Tinct. nucis vom.	ʒij.	2.0
Spt. chlorof.	ʒiij.	3.5
Inf. gentian. ad	℥x.	5.0
Container		4.5
Dispensing-fee		9.0
		45.0*d.*
		=3*s.* 9*d.*

Column (277/23).—LINOLEUM WAX POLISH.—The following is from "Pharmaceutical Formulas":

Palm oil	℥ij.
Yellow wax	℥iv.
Oil of turpentine	℥xij.

Mix.

C. T. B. (29/12).—PRESCRIPTION PRICING.—The price of ext. ergot. liq., according to the London Chemists' Retail Price List for May, was 6*s.* 5*d.* per oz. It is usual to deduct 10 per cent. for double quantity. If it was an ordinary sale it would have to be registered, and 12*s.* is a fair price. As a prescription the costing by the London Simplified System is as follows:

Ext. ergot. liq.	℥ij.	139.0*d.*
Container		3.0
Dispensing-fee		9.0
		151.0*d.*
		=12*s.* 7*d*

The price of the ext. ergot. liq. for January works out at 65.0*d.* =5*s.* 5*d.*, so that the cost would be 6*s.* 5*d.*

B. O. W. (27/12).—THE PRESCRIPTIONS PRICED on the London Simplified System are as follows:

I. Tr. hyoscy.	ʒiv.	5.5*d.*
Tr. buchu	ʒiv.	8.0
Hexamin.	ʒij.	9.0
Syr. hypophos. co.	ʒij.	12.0
Aq. ad	℥vj.	1.0
Container		3.5
Dispensing-fee		9.0
		48.0*d.*
		=4*s.*
II. Phenol	ʒj.	1.0*d.*
Alum.	ʒj.	1.0
Tr. card. co.	℥ss.	3.0
Aq. ad	℥xij.	2.0
Container		4.5
Dispensing-fee		9.0
		20.5*d.*
		=1*s.* 9*d.*

F. C. F. (5/1).—(1) POLONY SKINS are coloured by an ammoniacal solution of carmine or a solution of aniline scarlet. The aniline scarlet is generally sold for this purpose diluted with borax, and an ounce of the mixture is dissolved in a gallon of water, the quantity being adjusted according to the shade required. The solution is used warm, and after the skins have become coloured they are transferred to a cold solution of alum—2 lb. to 20 gallons of water. (2) LUMINOUS PAINT.—Heat to cherry redness for twenty minutes a mixture of finely powdered oyster-shells 20 grams, sulphur 6 grams, starch 2 grams, 8 c.c. of a solution containing basic bismuth nitrate 0.55 gram, and 100 c.c. of absolute alcohol acidified with a few drops of hydrochloric acid. After calcination the upper layer, consisting of calcium sulphate, is removed, and the remainder of the mass powdered and again heated for fifteen minutes.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Jan. 14, 1871.

Prescription Reading Practice.

The Council, acting in concert with the London Board of Examiners, have formally and personally sanctioned this mode of instruction, and we venture at the opening of a new year once more to draw attention to a branch of direct, practical teaching hitherto neglected. The collection intended at present for home use is finished, except certain blank pages reserved for Paris, waiting, always though with faint heart, the advent of the reign of peace. The object now contemplated (the execution of which for two months has been interrupted) is to provide fifteen volumes of autograph formulæ for the country. Three have been despatched, yet about 800 recipes are still required to complete the remaining twelve. We may state that no pains are spared to render each folio useful and acceptable. The prescriptions are not hastily put together, and the production of the utmost variety is attempted. England, America, France, Germany, Norway, Switzerland, Canada, and Chicago form members of this happy family. Students cannot read that which they have never seen, and it is unjust to require them to decipher the instructions of the medical profession without affording them the smallest chance of experience.

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This preparation is ideal for the manufacture of Liquid Calomel Cream.

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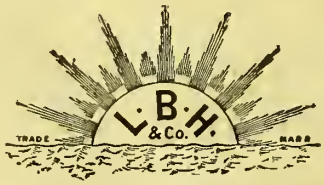

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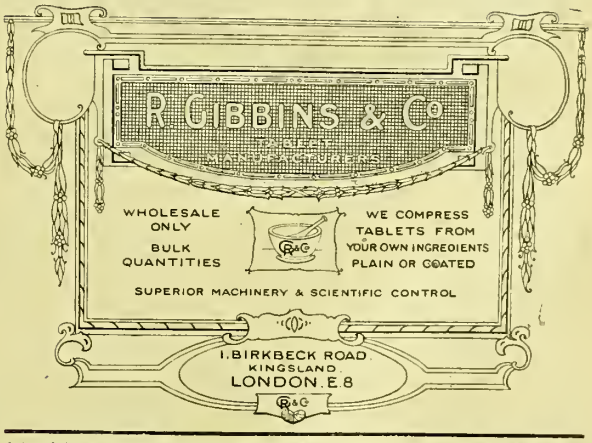

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KAY'S COMPOUND ESSENCE of LINSEED TRADE LINSEED COMPOUND MARK
Of Sixty Years' Proven Efficacy.

KAY'S TIC PILLS TRADE MARK
A combination which often proves successful when synthetics fail.

KAY'S MOUNTAIN FLAX 'LINUM CATHARTICUM' **PILLS**
Users like their gentle action.

KAY'S THROAT LOZENGES
TRADE MARK
Skilfully compounded to a valuable formula.

KAY BROTHERS Ltd.
Manufacturing Chemists
STOCKPORT

Reap the Benefit of GENASPRIN ADVERTISING

AT the present time, and for many months to come, millions of people will be reading our **Genasprin** advertisements in all the leading London and Provincial newspapers, illustrated weeklies and monthly magazines.

This Press Advertising campaign is being vigorously supported by an enormous distribution of Booklets and Free Samples.

As a consequence, **Genasprin** sales are rising rapidly, which, of course, means more business for YOU.

Don't risk disappointing your customers through being "out of stock"—**replenish now !** For customers who buy Genasprin once will buy it always, because one bottle will convince them of its safety and efficiency. Genasprin is **the** aspirin tablet which always brings repeat orders.

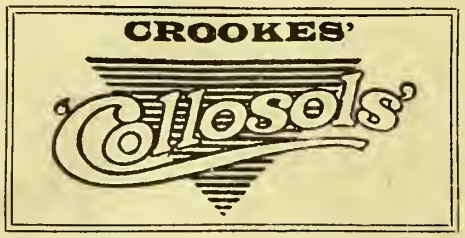
A word about "G.L." FORMALIN

It is gratifying to note that this new product has been welcomed by the trade and public alike. The demand is steadily increasing, and Chemists would be well advised to keep a good supply in hand. The "G.L." Formalin Tablet is infinitely superior to any other Formalin Tablet on the market, and at the same time offers you a splendid margin of profit. *Send for a trial gross to-day.*

GENATOSAN, LTD.
MAKERS OF
SANATOGEN, FORMAMINT, etc.,
12 Chenies Street, London, W.C.1.

All Reactions of the Body Fluids and Tissues are Colloidal.

Collosols are pure and stable colloidal solutions, isotonic and isomorphic with the elements of the body.



Collosols are tested by ultra-microscopic, bacteriological, and clinical experiment.

The Modern Scientific Method of Administering well-known Drugs.

COLLOSOL ZINC CREAM

(Cremor Collosol Zinc 10%.)

NON-GREASY AND NON-IRRITANT.

From ancient times Zinc (as oxide or carbonate) in the form of ointments and lotions has been employed by the medical profession as an application for the skin on account of its healing and soothing effect.

In zinc ointment, the penetrative power of the zinc is largely due to the lard in which it is mixed. Where grease is an objection and a superficial action is desired, a suspension of the zinc in water or glycerine and water is usually prescribed.

Cremor Collosol Zinc combines the advantages of both the above. Being in the colloidal state, the zinc, on account of the infinite subdivision of the particles, has considerable penetrative power, particularly if the cream be applied and then well rubbed in.

Supplied in 2 oz. Pots.

COLLOSOL SULPHUR BATHS

To prepare a Sulphur Bath one bottle of the concentrated sulphur should be emptied into an ordinary bath of about 20 gallons of hot water. The bath is not only of great service in the treatment of skin affections, gout, and rheumatism, but also induces a healthy condition of the skin.

Collosol Sulphur Baths are inoffensive, contain no impurities, and do not injure the bath, but care should be taken to keep the bath quite clean.

Supplied in 4 oz. Bottles and in cases of 12 Bottles.

Collosol Sulphur is also supplied for internal administration.

COLLOSOL FERROMALT

A combination of Pure Malt Extract with Colloidal Iron, rich in protein, diastase and vitamines—the essentials for perfect carbohydrate metabolism. In this colloidal suspension Iron does not cause constipation or digestive troubles.

COLLOSOL FERROMALT with HYPOPHOSPHITES.
COLLOSOL FERROMALT with GLYCEROPHOSPHATES.

Supplied in 8 oz. and 16 oz Bottles.

Literature and Reports from

THE CROOKES LABORATORIES, 22 CHENIES STREET, TOTTENHAM COURT ROAD, - LONDON, W.C. 1

Telephones: MUSEUM 3663 and 3697.

BRITISH COLLOIDS LIMITED.

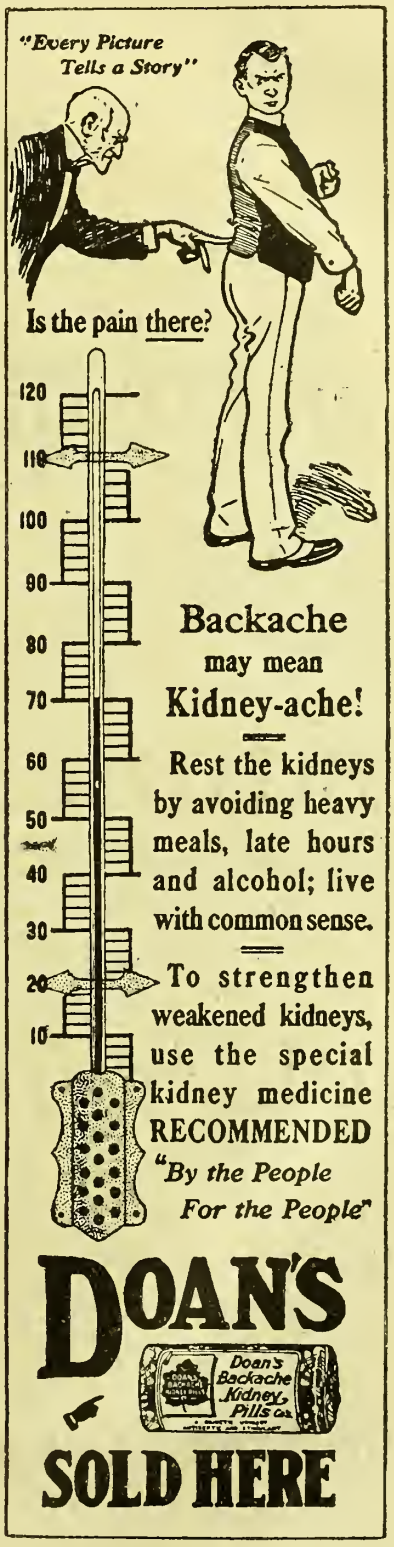
Gratis.

Doan's Thermometer, displayed at your shop front, will interest your customers and the passers-by. It will remind them, too, that DOAN'S MEDICINES can be purchased at your shop.

We will send the Thermometer, upon request, free of cost, on the understanding that you will exhibit it in a prominent position before the public.

Size 21 in. long by 5 in. wide.

Foster-McClellan Co.,
8 Wells St., Oxford St.,
London, W.1.



A line backed by Medical Opinion

Liberal discounts—splendid sales—strongly backed by the Medical Profession, from whom we have hundreds of convincing testimonials. This is why

Sphagnol

SOAPS & OINTMENT

should be on *your* counter—it's a money-making line.

Sphagnol preparations are the proven remedy for all skin diseases, including

Eczema, Chilblains, Pruritus, Psoriasis, Acne, Scabies, Seborrhœa, Hæmorrhoids, Alopecia, Herpes, Lichen, Impetigo, Sycosis, Urticaria.

Write us to-day for details and get in touch with better business.

PEAT PRODUCTS (SPHAGNOL) Ltd.
Dept. "B"
18 QUEENHITHE - LONDON, E.C.4.

MURPHY & SON LIMITED

MANUFACTURING & RESEARCH CHEMISTS.

PHARMACEUTICAL, MEDICAL & GENERAL.

LABORATORIES:

The Cedars Laboratories, Mortlake, London, S.W. 14.

Bureau of Bio-Technology, Queen Square, Leeds.

FACTORIES:

Old Basford Mills, Nottingham.

Sycamore Works, Basford, Notts.

Please address all enquiries and correspondence to the Registered Offices of the Company,

SHEEN LANE, LONDON, S.W.14.

MURPHY & SON LIMITED

P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C. 4

January 15, 1921.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
	Chesebrough Manfg. Co's. Preparations :—		
1/2	"Vaseline" Pomade No. 1. (m/c in carton)	1/2	9/3 doz.
1/10	,, ,, No. 2 ,,	1/10	16/9 ,,
1/-	,, Cold Cream, Jars, No. 1	1/-	8/6 ,,
1/4	,, ,, ,, No. 2	1/4	11/- ,,
2/3	,, ,, ,, No. 3	2/3	19/6 ,,
1/-	,, Yellow Petroleum Jelly No. 1. m/c (in carton, not blue seal)	1/-	8/- ,,
1/8	,, ,, ,, No. 2	1/3	14/- ,,
1/4	,, White Petroleum Jelly No. 1. m/c (in carton, not blue seal)	1/4	11/- ,,
2/2	,, ,, ,, No. 2	2/2	19/- ,,
	Torch Brand Products :—		
1/3	Chemical Food, 4-oz.	1/3	9/6 ,,
2/3	,, ,, 8-oz.	2/3	16/6 ,,
1/9	Compound Syrup of Hypophosphites 4-oz.	1/9	13/6 ,,
3/-	,, ,, ,, 8-oz.	3/-	22/3 ,,
1/3	,, ,, of Figs 3 oz.	1/3	10/6 ,,
2/3	,, ,, ,, 6-oz.	2/3	18/- ,,

ERNEST JACKSON & CO., Ltd.

Manufacturing Chemists.

Specialists in: COMPRESSED TABLETS; MEDICATED LOZENGES, &c.

INVENTORS of **Glossettes** REGD. THE ORIGINAL (cushion-shaped) PELLETS of

LIQUORICE & MENTHOL,

and other *Sugar-free* Combinations for Complaints of the Respiratory Organs.

Offices and Works: CREDITON, DEVON.

Telephone: Crediton No. 10 Telegrams: "Jackson Crediton."
London Depot: Plantain Place, Crosby Row, Borough, S.E.
Telephone: Hop 2668.

J. FLEMONS & SONS

Wholesale Herb Merchants,

DUNSTABLE & SOHAM.

Special lines: English Herbs, Roots and Flowers, fresh and dried.

LEAVES & HERBS.

Digitalis, Belladonna, Broom Tops, Dandelion Tops, Coltsfoot, Mugwort, Ragwort, Wild Carrot, Meadowsweet, etc

ROOTS.

Belladonna, Burdock, Bryony White and Black, Comfrey, Dandelion, Male Fern, Doggrass, etc.

Full List on Application.

THE BRITISH DRUGGIST
is familiar with this package, knows it is in regular demand, wisely stocks it and is satisfied it bears a good profit.

THE DRUGGIST OF INDIA, BURMAH, CEYLON, CAPE COLONY, AUSTRALIA & NEW ZEALAND
knows this package and sees it advertised and in constant demand and orders it on his indents.

OF INTERNATIONAL REPUTATION

ANGLO-AMERICAN PHARMACEUTICAL COMPANY LTD.,
GALEN WORKS,
DINGWALL ROAD, CROYDON *(LONDON).*

D.D.D.
Prescription

FOR ALL SKIN & SCALP DISEASES

A well-advertised, high-grade preparation, enjoying a steadily increasing sale. On the P.A.T.A. protected list, giving the retailer a profit of 25%

TRADE PRICES.

		per doz.
D.D.D. Prescription	3/- bottle, M.R.P. Face Value, @	27/-
,, ,,	5/- ,, ,, ,, ,,	45/-
,, ,,	12/- ,, ,, ,, ,,	108/-

In two strengths, Ordinary and Strong.

		per doz.
D.D.D. Soap	1/3 tab. M.R.P. Face Value, @	11/3
,, Shaving Soap	1/6 stick ,, ,, ,,	13/6
,, Vanishing Cream	2/6 jar ,, ,, ,,	22/6
,, Shampoo Powders	2/6 box ,, ,, ,,	22/6

Carriage paid to any part of the United Kingdom.

Showcards &c. Supplied Free.

D.D.D. Co., Ltd.
3, 5, 7 Fleet Lane, Ludgate Circus, London, E.C.4

Snowfire

for chapped hands, cracked lips, etc.
In 3d. Tablets, Family Size, 7½d.
Of all Chemists.
F.W Hampshire & Co., Ltd.
Riverside Works Derby.

SNOWFIRE is in great demand. Other traders are asking for stocks, but we have refused to supply except to chemists and druggists.

The whole of this trade is awaiting you, but let the public know you stock it. Display Snowfire well—it will pay you.

Snowfire is being consistently advertised.

Above is one of our SMALL advertisements.

Snowfire

There is an all-the-year-round sale for Snowfire. Shows substantial profit. Attractive advertising matter free.

F. W. Hampshire & Co. Ltd.
Riverside Works, DERBY.

Francis F. Fox & Co.: Bristol

LINSEED OIL. TURPENTINE.
FINE OLIVE OILS.
LIQUID PARAFFIN. CASTOR OIL.
CHEMICALS. DRYSALTERY.
PETROLEUM JELLY.
CRUSHED LINSEED.

PRICES ON APPLICATION.

TELEGRAMS—
"FOX BRISTOL."

TELEPHONE—
19 BRISTOL.

LANOLINE, B.P.

K. MALMBERG,
110 Cannon Street,
LONDON, E.C. 4.
AND AT NEW YORK.

Telegraphic Address.
"Obtempero Cannon, London."

Telephone No:
City 6321.

We offer
WAXES
PETRO. JELLY
LIQUID PARAFFIN B.P.
WHITE OILS

Send us your inquiries.
J. J. FRANSES & SONS,
LIMITED,
80a Southwark St., LONDON, S.E. 1.

Gelatines

Fine Leaf Gelatine,
Pure Calf.

"Albion" Brand

(In 1-lb. Packets, 112 × 1-lb. to Case.)

Made in England.

FINE CRYSTAL GELATINES.
PURE SKIN GELATINES.
POWDERED GELATINES.

Samples on Application.

OURY, MILLAR & Co.

9 Mincing Lane,
London, E.C. 3.

Telegrams:
"Olmenth London."

Telephone:
Avenue 4978

Scrap them !

and have ONE Policy
to cover ALL Risks !

The **POOL** COMPREHENSIVE SHOPKEEPERS' **POLICY**

The Licences & General Insurance Co Ltd
Victoria Embankment
Next Temple Stn. W.C.2

FUNDS EXCEED £500,000. FOUNDED 1890

ANNUAL BONUSES

Genuine Russian **LIQUID PARAFFIN**
All gravities, correct viscosities

"Jasmine Brand" **ADEPS LANÆ** Superfine Anhydr. and Hydrous
Lanoline

"Jasmine Brand" **PETROLEUM JELLIES**
White and Yellow

B P. 1914

Finest Qualities

Competitive Prices.

"Jasmine Brand" **WHITE OILS** Chem. Pure, Water-white, Tasteless, Odourless
FOR MANUFACTURING PURPOSES

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.

3 St. Helen's Place, LONDON, E.C. 3.

Actual Refiners and Manufacturers at their Works near London.

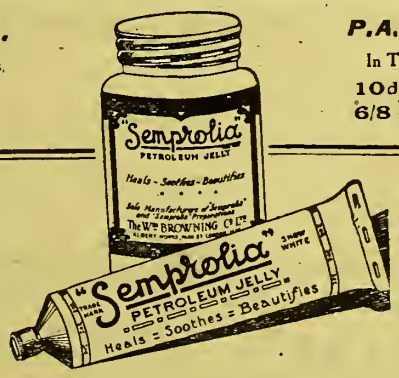
WE SOLICIT YOUR ENQUIRIES FOR:—

OLIVE OILS, finest cream edible, B.P.
SALAD OILS
PETROLEUM JELLY, B.P., White and Yellow
TURPENTINE, American Spirits and Substitutes
CASTOR OILS, all grades
COLZA OIL, finest and burning qualities
ROSIN, all grades
LINSEED OILS, Raw and Boiled
MINERAL OILS, Bloomless "Lux" Brands
WHITE OILS, Slab and Commercial
LUBRICATING OILS of all descriptions

JAMES ARNOTT & SONS, Ltd., Newcastle-on-Tyne and Cardiff.
Registered Offices: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

P.A.T.A.
In 2-oz. Jars.
1/- each
8/- doz.

P.A.T.A.
In Tubes,
10d. each
6/8 doz.



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Now being advertised in the "Daily Mail," "Daily Mirror," and also various magazines and weeklies.

"SNOW-WHITE **Semprolia**" PETROLEUM JELLY

Showcards, Booklets, etc., Free on Request

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TECHNICAL AND MEDICINAL WHITE OILS.
PETROLEUM JELLIES.
PARAFFIN WAXES.
NEUTRAL OILS,
Debloomed and Undebloomed.
PALE & RED LUBRICATING OILS.
CYLINDER OILS.

W. J. SMITH, *SOLE EUROPEAN REPRESENTATIVE,*
THE JAMES B. BERRY'S SONS CO. Inc.
110 Cannon Street, London, E.C. 4.

RAYOLENE
HOME DYES.
For Wool, Silk, Cotton or Mixed Goods.
The most popular packet dye on the market.
NO MESS. NO RISK. NO TROUBLE.
To retail at 4d. and 6d. per packet.
Read the following extract from letter received—
"Please forward the following . . . This is my seventh order this season, and your goods are the best selling line we have"
Write for complete Price List of ready mixed Paints, Varnishes, Enamels, etc.
TEXALO MANUFACTURING CO.
South Shore, Blackpool, Lancs. (1)

Langley-Smith & Co.

MOTOR TRACTOR OILS

Castor Oils, *Medicinal, Lubricating.*

Colza Oils, *Best Pure, Prepared.*

Linseed Oils,

Best Raw, Double Boiled. Refined,

Turpentines,

Best Pure Spirits.

Substitutes,

Best Grades.

Samples and Prices on Application.

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Telegrams—"Tallowdom London." Tel. No.—Avenue 3820.

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BRILLIANTINE OILS

Any Quantity—from Stock.
Wholesale Only.

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Every printer stocks it

All the way from the still to the buyer. In quantity and quality, price and punctuality we stand pre-eminent in the production and distribution of

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By enormous output and despatch from central points, we ensure economy in working costs and carriage, every penny of which we give to the purchaser in Price Reduction.

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Please address enquiries to—

THE METHYLATING CO. LTD.,
38/41 Finsbury Court, Finsbury Pavement, London, E.C.2.

METHYLATED SPIRIT

WE RECENTLY REDUCED THE PRICE.

Our prime policy is to sell unequalled quality at the lowest possible figure.

ACETIC ACID

Made in Canada. Highest Quality.

GLACIAL - 98/100%
80% pure edible

GLACIAL PURE 99/100%
80% technical

Rates quoted to any port in the world by Shawinigan Ltd., 1 Tudor Street, E.C.4, Suppliers of Calcium Carbide for Cutting, Welding, etc.

Telephone: City 3331

For supplies of Acetic Acid in the United Kingdom, write to the distributors—

A. Boake, Roberts & Co., Ltd.
STRATFORD

Stocks held in London and Liverpool

Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

James V. Oldham
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Telephone: Avenue 3013.

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The Medical Profession are recommending VITMAR for delicate Children and Invalids.
If you do not yet stock it your wholesaler will supply you.

Manufacturers—
CALLARD & CO., Food Specialists,
74 Regent Street, LONDON, W.1.

"POSTLIP"
(No. 633 Mill)
ENGLISH FILTER PAPERS

Manufactured in
Annually Increasing Quantities
for upwards of 50 years.

White and Grey Plain. Antique, Crinkled, and Embossed.

All sizes in Squares, Circles, and Folded Filters. Rolls made to order.

Several new Grades are now successfully replacing the best German makes.

See Report of TESTS made by the National Physical Laboratory, a copy of which will be sent on application.

Ask your Laboratory Furnisher for samples of "Postlip" Filter Papers.

EVANS, ADLARD & CO., LTD.
POSTLIP MILLS,
WINCHCOMBE, R.S.O., GLOS., ENGLAND.

Maltine

REGD. TRADE MARK

SPECIALITIES

P.A.T.A. PRICES. 25 PER CENT. DISCOUNT

ORDER NOW

For January Press Adverts.

Supplies from all Wholesalers

The Maltine Mfg. Co., Ltd., Acton Vale, London, W.

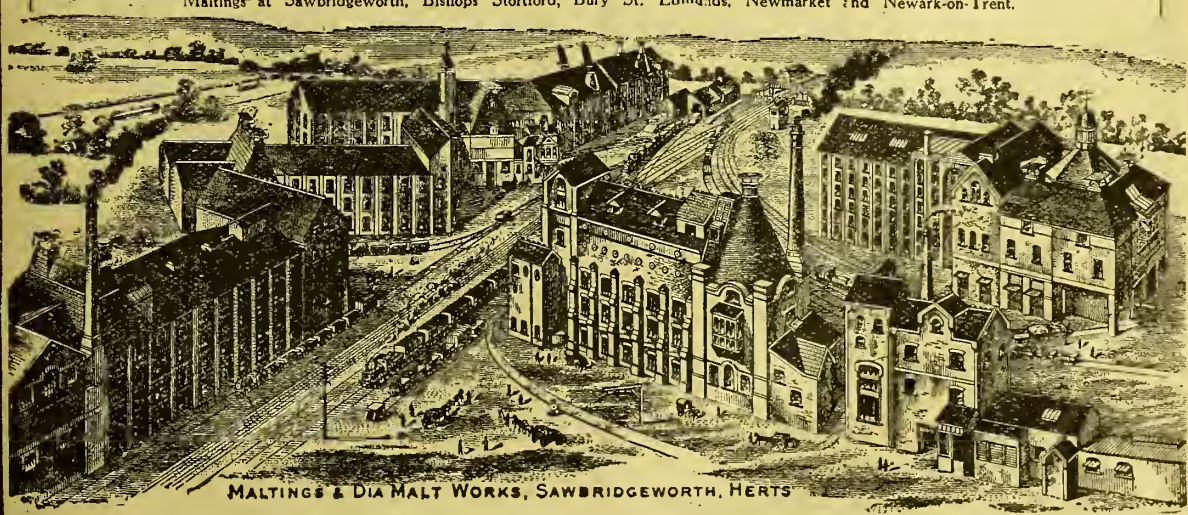
Manufacturers of

MALT EXTRACT & COD LIVER OIL 15%

H. A. & D. TAYLOR, LTD.

Head Office: SAWBRIDGEWORTH, HERTS.

Maltings at Sawbridgeworth, Bishops Stortford, Bury St. Edmunds, Newmarket and Newark-on-Trent.



MALTINGS & DIA MALT WORKS, SAWBRIDGEWORTH, HERTS

REDUCTION IN PRICE.

Osmos

The Great British Aperient Water

Trade Terms, Now ... ... 22/- per dozen bottles, Carriage Paid

Retail Price, Now ... ... 2/6 per bottle (P.A.T.A.)

OSMOS, Crown Wharf, Hayes, Middlesex.

PURE ORANGE WINE

A. MILLAR & CO., Ltd., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C. 3.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the United Kingdom

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St, Liverpool.

LAMP-BLOWN GLASSWARE

Our methods are new and are such that we can supply much better articles than usual, and give quick delivery. In particular, we have developed the art of annealing small glass articles to perfection, with the result that the breakage factor has been enormously reduced.

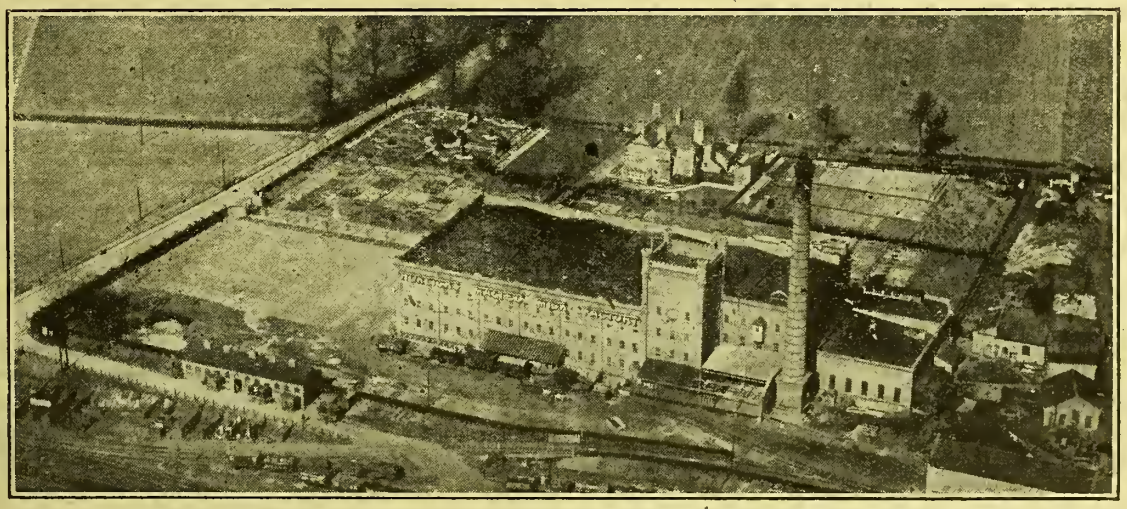
Our Special Lines include: Flat Bottom Tubes, Ampoules, Serum Ampoules, Nasal Douches, Syringes, Menthol Inhalers, etc.

INQUIRIES INVITED.

JOHN TYE & SON, 457 Caledonian Road, LONDON, N. 7.

HORLICK'S MALTED MILK

THE ORIGINAL



An aerial view of the works at Slough, Buckingham, England, where all the

HORLICK'S MALTED MILK

Supplied in Great Britain is Produced.

PRICE PROTECTED - - 2/-, 3/6, 15/-

Attractive Advertising Material Free and Carriage Paid on application to

HORLICK'S MALTED MILK CO.

SLOUGH, BUCKS, ENGLAND.

(Sir James Horlick, Bart., President.)

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C. 3.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
Aug. Levermore & Co., Ltd. 8-10 Gt. St. Helens, LONDON, E.C. 3.
Telegrams: "Levermore London." Telephone: Central 4613

PROTECTS from all weathers, preserves the COMPLEXION
MOKOL SOFTENS ROUGH HANDS FACE CREAM FOR THE SKIN **MOKOL**
Reg. INDISPENSABLE IN THE HOME Reg.
For LIBERAL Wholesale Terms write to—
THE MOKOL CO., 98 Hatton Garden, London, E.C.

The Evan-Williams
Always in Great Demand.
Price List on Application.
The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.
ORIGINAL HERBAL SHAMPOO.

YOU CAN NOW GET YOUR SUPPLY OF
BEUTOL Egyptian Toilet Preparations
from your usual Wholesaler, or direct from Manufacturers at the following prices:
BEUTOL Vanishing Jelly ... 10/- doz. BEUTOL Beauty Milk ... 16/- doz.
BEUTOL Hair Tonic ... 20/- ,, BEUTOL Shampoo Powders 24/- gross
BEUTOL Egyptian Perfume 28/- ,, BEUTOL 2-oz. Brilliantine 16/- doz.
BEUTOL 1-oz. Brilliantine ... ... 8/- doz.
National Advertising Campaign Commenced.
SKINETOLIN CO., LTD., Sole Manufacturers,
13 Kirkwood Road, Chalk Farm, London, N.W. 1 (1)

CACHETS "FINOT"
(White or Coloured).
With inscriptions in any desired tint; also Plain or Embossed.
"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 10½d. 1/4 size, per post 1/7; 2/6 size, per post 2/7; 3/9 size, per post 4/3; 8d. size 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

WHITEPHILL The Best and Cheapest White Dense and Filler
Especially suitable for Dental Creams, Powders, etc.
Prices and samples on application.
THE WHITEPHILL CO., St. Austell

ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, **2d.** each.
Wholesale Prices on application. Sample Box 1/6.
DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH.

2d. HERBS
Insist on "Castle Brand."
MEDICINAL : CULINARY
16/- PER GROSS.
Special Terms for Wholesalers.
WM. FOX & SONS, Wholesale Botanic Druggists, SHEFFIELD.

Viuda de Jose Solernou
Diputacion 174, Barcelona, Spain.
Agency & Representative House. Established in 1875.
Member of the British Chamber of Commerce at Barcelona.
AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

John E. Raworth & Moss
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RUBBER GOODS ALL KINDS
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HAVE YOU TRIED OUT OUR OFFER?
of 6 dozen and 1 dozen 6d. packets, along with full advertising matter for window? Carriage Paid to your address. Sales are immediate direct!
4/- PER DOZ. P.A.T.A. 6D. PER PACKET
Quin-Quenna (BETTER THAN A SHAMPOO) is shown because it is the subject of a big and clever campaign embracing all best media.
43%
CHRISTY'S Old Swan Lane, London, E.C.4

BESORBON (*Dr. Hill's Formula*)
MEDICINAL SNUFF. ABSOLUTELY THE FINEST REMEDY FOR CATARRH & COLD IN THE HEAD.
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Season—1921.

COD LIVER OIL

GUARANTEED GENUINE.

Manufacturers:

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LARGEST MANUFACTURERS OF COD LIVER OIL IN NORWAY.

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ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

DOES NOT CONTAIN any SCHEDULED POISON.

Prices and Terms on application to R. BARKER & SON, Ltd.
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MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

Telephones: Nitshill—Pollokshaws 14 London—Avenue 5661 (3 lines).

PERRY & HOPE, Ltd.

Telegrams: "Perryope, Nitshill." "Perryope, Led, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

SEAMLESS ENEMAS

		Per doz.— s.	d.
Fig. 987.	The "**B.E.M.**" (best English make) with bone rectal pipe, etc., complete in card box	26	0
	,, in superior card box	29	0
	,, in leatherette case	32	0
	,, extra large and stout, the finest article made	36	0
	Special Line, red unpolished, stout, in card box	30	0
	,, ,, in leatherette case	36	0
988.	The "**Empire,**" black polished in card box	30	0
	,, ,, in leatherette case	36	0
275.	Warne's patent pulse valve enema, arabesque rubber, in card box	42	0
	,, ,, ,, in leatherette case	48	0

AIR CUSHIONS

Fig. 1194. The "**Empire**" red indiarubber Air Cushion.

Diameter	14 in.	15 in.	16 in.	17 in.	18 in.	19 in.	20 in.
Each	8/-	9/-	10/-	11/-	12/-	14/-	16/-
Square shape ,,	12/-	13/6	15/-	16/6	18/-	19/6	22/-

A discount of 5 % for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated price list, post free for the asking.

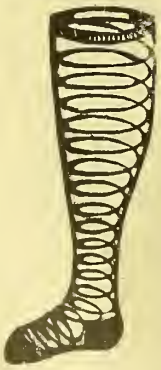
BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1

Tompkins' Corner.

REDUCTION IN PRICES.

Our Offer This Week.



Elastic Thread Stockings.
Sizes 1 to 7 ... ... 9/- pair.

Leggings, Knee Caps & Anklets.
6/6 pair.

Catheters.
Red Rubber, Funnel Ends, Super Satin Finish 12/- doz.

"Ciro" Cot and Muff Warmer.
Rubber (on Showcard) 33/- doz.
P.A.T.A. 4/- each.

"Resto" Soap Stand.
Rubber (and Showcard) 12/- doz.
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Surgical Rubber Goods of all kinds for Home and Overseas.

JAMES TOMPKINS, LTD.

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Established 45 years. Phone: City 7640.

EXCELSIOR CREPE BANDAGES. FAST EDGE.

EXCELSIOR CREPE BANDAGE NAME

Owing to the War, the supply of Crepe Velpeau Bandages is discontinued. We, are, therefore, placing on the market a bandage of English manufacture which will be sold as

GIMBER'S EXCELSIOR CREPE BANDAGE

TRADE MARK.

An Elastic Bandage. Containing no Indiarubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2½, and 3½ inches wide. **Excelsior Crepe Abdominal Binders.**—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes: 8 & 11 in. wide.

CAUTION.—Beware of fraudulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers.

Wholesale of
W. GIMBER & SON, Surgical Bandages and Instrument Makers, 44 Queen's Rd., Peckham, LONDON, S.E.15.
And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.
Telephone: New Cross 1601. Descriptive Circular & Price List on application.

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Use this block in your advertisement and you will attract more buyers for your preparation.
Similar **Business Bringing Blocks** can be supplied to help the sale of your Remedies, Toilet Preparations, Photographic and Optical Goods.
If you have something worth advertising, send a few particulars and suitable illustrations will be submitted for your approval.

Be the first in your town to apply.

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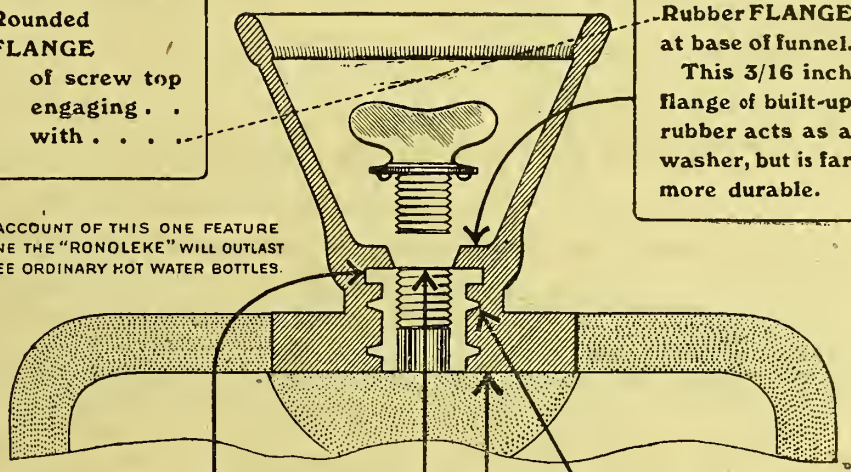
R.344. 4/-

WHY THE "Ronoleke" REGD. Hot Water Bottle WILL NOT LEAK

A STUDY OF THE DIAGRAM WILL SHOW YOU THE ADVANTAGES GAINED.



The "Ronoleke" is the only perfect watertight hot water bottle.
Sold by all leading Druggists' Sundriesmen.

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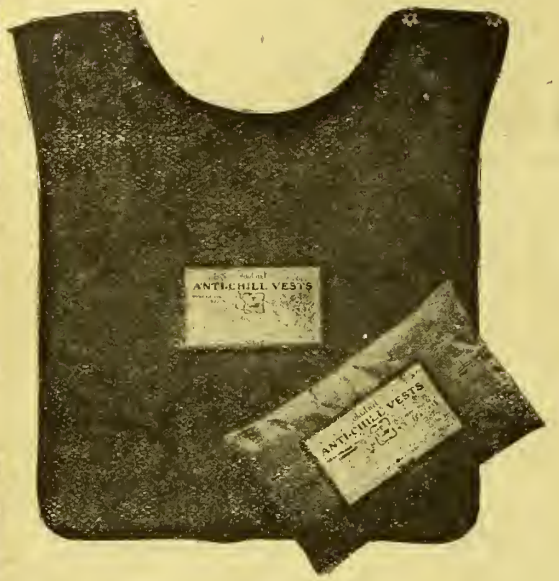
WINTER IS HERE



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Colds and Chills are Prevalent.

BE PREPARED!

And get a stock of

"Fastnet" Anti-Chill Vests

Made of Golden Fleecy Material.

Size No. 3	12″ × 9½″	29/-	per dozen
„ 4	13″ × 10½″	31/-	„
„ 5	14¾″ × 12″	33/-	„
„ 6	16″ × 15″	36/-	„
„ 7	18″ × 16½″	38/-	„

Similar lines:

"Fastnet" Chest Jackets ... sizes 1 to 8
"Fastnet" Body Belts ... „ 1 to 4

Manufactured by the "Fastnet" Surgical Dressing Co., Ltd.

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RIGOLLOT'S MUSTARD LEAVES

FOR PLASTERS.
THE ORIGINAL.
THE **ONLY** GENUINE.

7d., 1/- & 1/7 Packets
5/3, 9/-, 14/3 per Doz.

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GOOD SELLING LINES, GOOD PROFITS, AND ABSOLUTE SAFETY IN STOCKING

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FEET PLAISTERS AND POWDERS

STOCK IS RETURNABLE AT ANY TIME, FOR ANY REASON, AND FULL PRICE REPAID.
For Prices and Samples apply to
HOBSON, TRIMBLE & CO., LTD.
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or your own WHOLESALE HOUSE.

DOUCHE CANS, Enamelled Iron.
ENEMAS in great variety.
THROAT BRUSHES.
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WHIRLING SPRAYS.
CELLULOID EYE SHADES.
CATHETERS—Elastic, Gum and Rubber.

Contractors to India Office, War Office, Admiralty, &c. &c.

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Reliance Ladies' Muff Warmer. The Baby Hot Water Bottle De Luxe—
Retail **5/-** each

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Retail **10/11** each.

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Retail **14/6** each.

Reliance Rubberware

For 1921

The Benefit of Keenest Prices for Greatest Value, joined with a Hearty Co-operative Service, is our Undertaking to You for the New Year.

Reliance Sealed Sanitary Balloon Packages. The hygienic and healthful amusement. Retail **12/-** doz.

Reliance 18" Chocolate Rubber Air Cushion, nickel-plated fitting, Boxed.
Retail **14/6** each.

Reliance Drab Hot Water Bottles, with Handle.
Size 12"×6"
Retail **6/-** each

Reliance Seamless Enema, Enamelled Red Finish, with complete fittings.
Retail **5/3** each

MAKE

Reliance Seamless-Moulded Hot Water Bottles

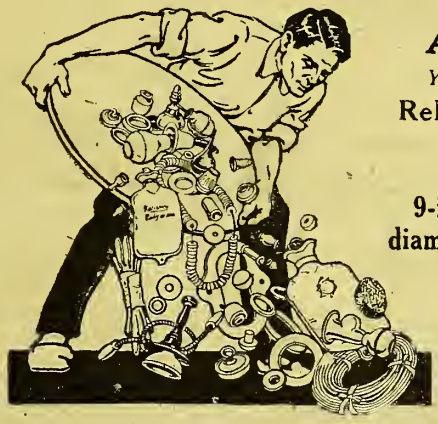
Retail **9/6**

3-Qts. Capacity

YOUR BIG PROFIT-MAKER IN THE NEW YEAR.

There are four cold, rainy, treacherous months ahead of us, and big, brisk sales of Reliance Hot Water Bottles are definitely assured. Your customers will buy the Reliance Bottle before all others for its beauty, its soft, sanitary, seamless make, and greater comfort and utility.

Order a stock now and make a Window Display.



Our Policy is to give purchasers of Reliance Rubberware Twenty Shillingsworth of Merchandise for Every Pound Spent.

All prices subject to full Trade Discount.
Build Bigger New Year Sales

ORDER NOW.

ADVERTISE

YOUR BUSINESS WITH

Reliance Seamless-Dipped Rubber Balloons.

9-in. diameter

60 Heavy

36/-

GROSS

Including your Name, Address and Business. Description printed in big, bold letters.

You will see the brilliant Reliance Seamless-Dipped Balloons advertising the business of great numbers of progressive Retailers during the year. Balloon Advertising is a new and most profitable form of publicity, reaching the largest field of observers for the minimum expense.

Order a sample gross now and build a wider clientèle and bigger sales.

RELIANCE RUBBER COMPANY Ltd.

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Telephone : CITY 2391 (two lines). *Telegrams : "DOORSTOP, CENT, LONDON."*

Careful Mothers insist on the NESTLÉ FEEDER

The superiority of the Nestlé Feeding Bottle is so obvious that doctors are advising it, nurses are recommending it and mothers insist on having it. Nothing is good enough for their little ones but a bottle which is perfect in hygienic construction; which cannot possibly harbour dirt or disease germs and which ensures that the food is taken without undue effort or excessive air.

Nestlé's Feeding Bottle is constructed throughout on scientific principles, it is impossible for the child to detach the teat and rubber valve which automatically cling and are made from pure plantation rubber. Colic is prevented because the flow of air behind the milk is systematically regulated. The feeder, made of virgin glass, can be tilted to and will remain at any desired angle. Its capacity is 10-oz., and every part, including the box, is thoroughly sterilized before leaving the factory.

NESTLÉ Feeding Bottle

the Cheapest full-sized Feeding Bottle on the Market.

Easy to sell; brings good profit and rapid turnover. Write to-day for full details and current trade price list.

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RENÉ HEYMANS

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Tel.: CITY 3765. 36 OLD ST., E.C.1

Vulcanite DOUCHE FITTINGS
" Spare Parts
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BONE SHIELDS
BONE MOUNTS
BONE RINGS
French CAPPING SKINS (opaque and transparent)
TOOTH COMBS
(Best Galalit)
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Cheap lines in NAIL FILES (bone and steel) carded
SAFETY RAZORS and spare blades.
French SHAVING BRUSHES
NAIL CLIPPERS.
TOOTH BRUSHES
at low prices.
And all kinds of Surgical and Hygienic Rubber Goods.

ORDER NOW!

Why throw away your old Safety Razor Blades? Use them in the "JIGGER"

NEAT AND FLAT IN THE POCKET.

PERMANENTLY SHARP

HIGHLY PLATED

RENEWABLE BLADES WHICH COST NOTHING

SHOWS A GOOD PROFIT

Advertised in all the leading papers. Attractive show matter supplied free. Obtainable from all wholesalers, or from

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[1]

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Telegrams: "Kinvarage, Westcent, London."
Telephone: Museum 864.

The Directors of the

BRITISH "ANTAPSAL" Co. Ltd.

Beg to announce that during the past few weeks their Company has undergone reconstruction, and that they have taken New Premises at 38 Great Ormond Street, London, W.C. 1, to which all future orders and communications should be addressed.

The "ANTAPSAL" NASAL APPLIANCE (invisible when worn) is patented in Great Britain and abroad. It is a transparent, self-acting, continuous and curative Inhaler, which rests with feather lightness quite naturally *inside the no strils*, and may be worn with complete comfort and without attracting attention in the street, at work or asleep, and charges every breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed nostrils and hard breathing. Can be applied easily or removed in a moment, and carried in a waistcoat pocket ready for use. A simple, harmless, pleasant and effective scientific remedy; everywhere approved by medical men, the nobility, clergy, and others who have tried it.

SPECIAL OFFER TO CHEMISTS. 13 Boxes "Antapsal" 60/- net
CASH WITH ORDER.

"It's in my nose—you can't see it—I can't feel it—only its wonderful effects."

"CATARONOL" OUTFIT

for Colds, Catarrh, Bronchitis, Stuffed Nostrils, Loss of Hearing, Hay Fever, Adenoids, Headache, Sore Throat, etc. etc.

"ASBRONATOL" OUTFIT

for Chronic Bronchitis and Asthma.

TRADE DISCOUNT 20%

The Appliance is in use in the leading Hospitals. Numerous testimonials have been received from eminent users.

Press Advertising commences shortly, and all Chemists, Departmental Stores, etc., should obtain a stock in readiness.

Those who are willing to make a special Window Display should communicate with the company at once. Special terms allowed.

RETAIL PRICE: **6/6**

RETAIL PRICE: **6/6**

NOTICE TO OVERSEAS TRADERS.—The patent rights for the "ANTAPSAL" APPLIANCE in the following countries are for sale, and all inquiries respecting same should be addressed to The Managing Director, The British Antapsal Co., Ltd., 38 Great Ormond Street, London, W.C.1.: Australia, Austria, Belgium, Canada, Cape Colony, Denmark, France, Germany, Hungary, India, Italy, Norway, Portugal, Russia, Spain, Sweden, Switzerland and United States of America.

BRITISH ANTAPSAL Co. Ltd., 38 Great Ormond St., LONDON, W.C.1.

MERCERISED CORDS

FOR TYING-UP PERFUMERY, &c.
CORDS FOR SPONGE BAGS
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MEDICAL TWINES
ALL SIZES AND COLOURS IN STOCK

The Albion S.C. Co., Ltd. FAWLEY MILLS, TOTTENHAM, **London, N.17**

PHONE—2122 TOTTENHAM. TELEGRAMS—"ENCAGED, PHONE, LONDON."

"NORVIC" CRÉPE BANDAGE (REGD)

Always so clean.

SUPERIOR ENGLISH MANUFACTURE. FAST WOVEN EDGES.

Extremely Elastic, but contains no Rubber.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool will provide warmth, and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers—

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London Buyers can obtain samples & prices from **Mr. T. Eastaway**, London Representative, 17 Wool Exchange, E.C.2.

Sutcliffe Bottle Drying Machine

delivers any quantity of Bottles, clean, bright and dry, just as required. Economises time, space and labour.

HOT AIR DRYING PLANT for Tabloids, Pastilles, Powders, etc., increases efficiency, and gives more uniform results. Easily applied to existing rooms.

Write for free ILLUSTRATED BOOKLET.

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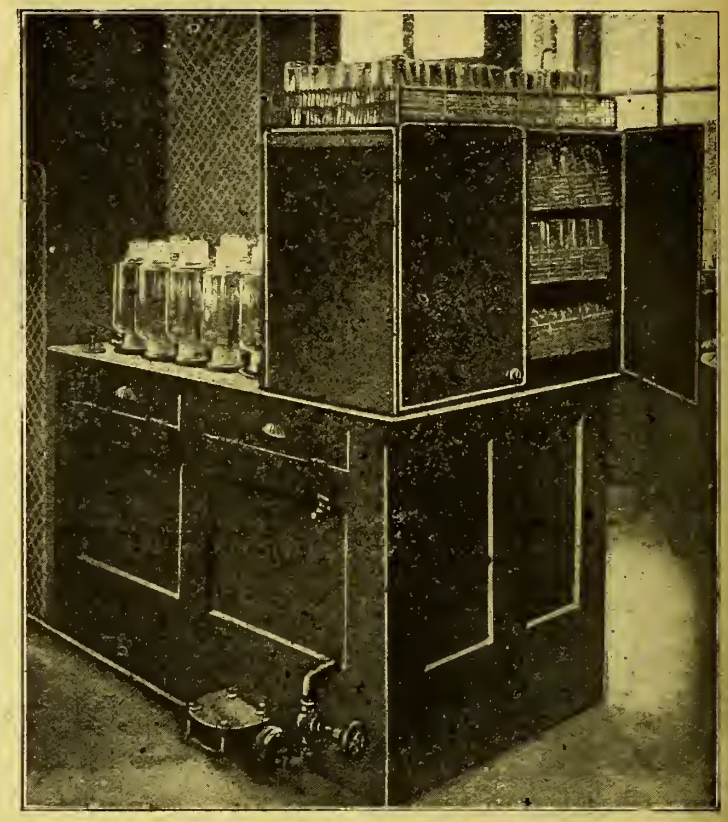
T.N.: 3920 City. T.A.: "Ventilabro."



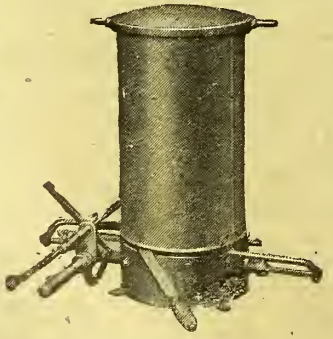
INCREASE YOUR OUTPUT AND SAVE LABOUR

BY USING THE

"CENTRAC"

FILLING MACHINES

For TUBES, POTS, JARS and BOTTLES



Tube-Filling Machine for Semi-liquids.

The Best and Cheapest Machines on the Market.

Used by all Leading Firms.

Price of Tube and Jar-Filling Machine **(Tin-plated), £7 10 0**

Send us your requirements.

Sole Makers—
The Banister Street Works, Ltd.
ENGINEERS.
45 High Street, HOMERTON, E.9.

Let the "Bulldog" guard your Money

Glass Shield on top of the till prevents the changing of an amount when once recorded on the sheet.

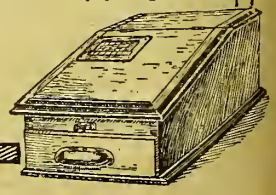
Bell alarm rings automatically if attempt is made to open drawer, and rings incessantly until alarm control is released. This alarm can be adjusted to many combinations.

The "Bulldog" Automatic Cash Register meets the demand for a thoroughly reliable, fool-proof, thief-proof machine. Made from hard, seasoned wood, with brass fittings, it does the work of a more complicated and more expensive machine, costs but

5 GUINEAS—WHY PAY MORE?

In order that you may judge the efficiency and complete reliability of the "Bulldog" we shall send a machine on 14 days' approval on receipt of cash, or two reliable wholesale trade references. *Sofe as the Bank of England!*

Write to-day—
THE BRITISH & DUTCH IMPORT-EXPORT CO., LTD.
Dept. A., 489a Oxford Street,
LONDON - - W.1.
Telephone: Mayfair 5998.



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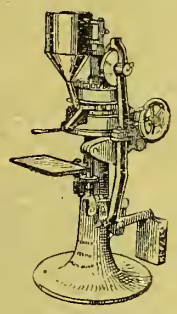
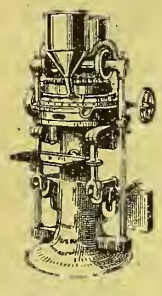
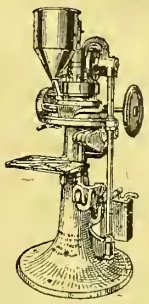
Purchasing machinery at random is a game of chance. Purchasing Stokes Machines eliminates future anxiety. Let us help you to solve the problem of rising costs with the aid of Pharmaceutical Machinery.



"B" ROTARY.
Fitted with 16 dies and 32 punches up to ⅝" diameter. Output 400-500 per minute. Silent, economical and efficient. Floor space 28" × 38"



"B.B." ROTARY.
Output 1 000-1,200 per minute. Suitable for work up to ½" diameter. Punches are interchangeable with the "B" Rotary Machine.
Floor space 37" × 42"



"D" ROTARY.
For heavy work up to ⅞" diameter. Designed for tablets that require great pressure. Adjustments for weight and pressure can be made while the machine is working.

Uppermost in your mind to-day is PRODUCTION and production costs. Write us for further particulars of STOKES ROTARY MACHINE; their production average in comparison with running costs will interest you.

THOMPSON & CAPPER, LTD.

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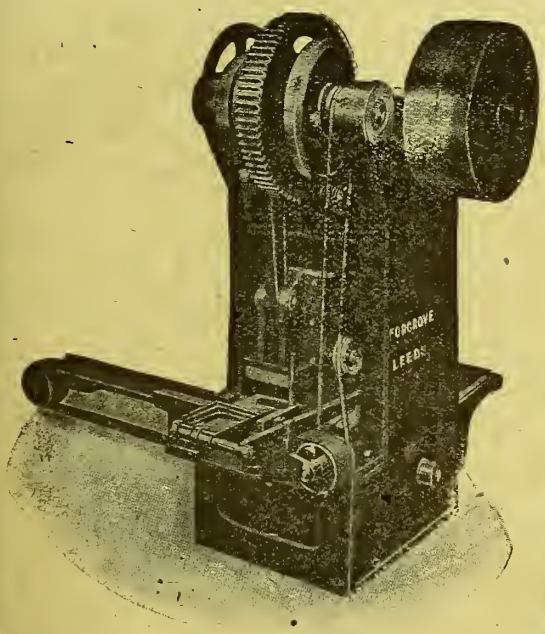
Head Office: Manesty Buildings, College Lane, Liverpool. Works: Binns Road, Liverpool.

Telephone: Royal 2060. Telegrams and Cables: "Sanitas, Liverpool."

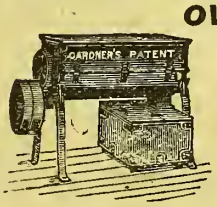


SOAP STAMPING MACHINES.
Output, 50 pieces per minute.

THE FORGROVE MACHINERY CO., LTD.
DEWSBURY ROAD, LEEDS.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

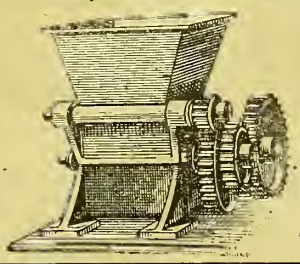
FOR HAND OR POWER.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER

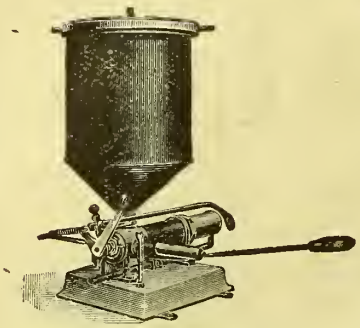
THE GRIMSLEY MIXER FOR PILL MASSES

And complete installation for manufacture of Pills, etc.



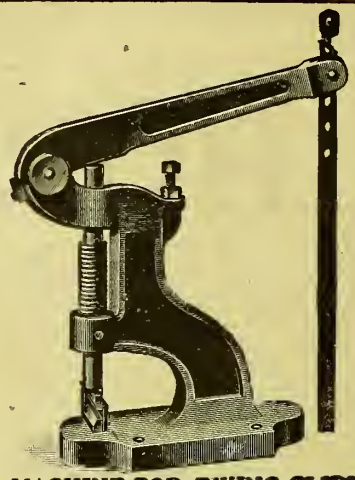
HAND OR POWER.
EARLY DELIVERY.

GRIMSLEY & CO. (LEICESTER), LTD.
St. George's Engineering Works, Queen Street, LEICESTER



MACHINE for FILLING COLLAPSIBLE TUBES. From 1 to 10 gallons CAPACITY. Output 30 to 40 gross tubes per day.

MACHINE FOR CLOSING AND FOLDING COLLAPSIBLE TUBES. Suitable for all sizes of tubes. ⅜" to 1½" dia.



MACHINE FOR FIXING CLIPS to ends of collapsible tubes.

Can be seen in operation at—

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CORDIAL
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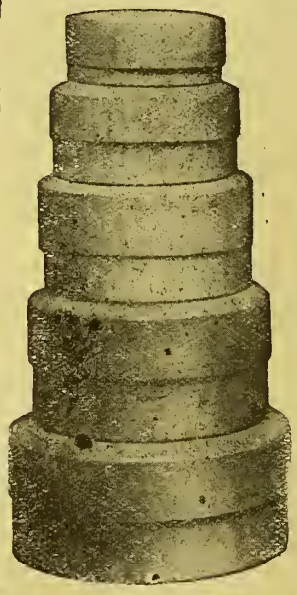

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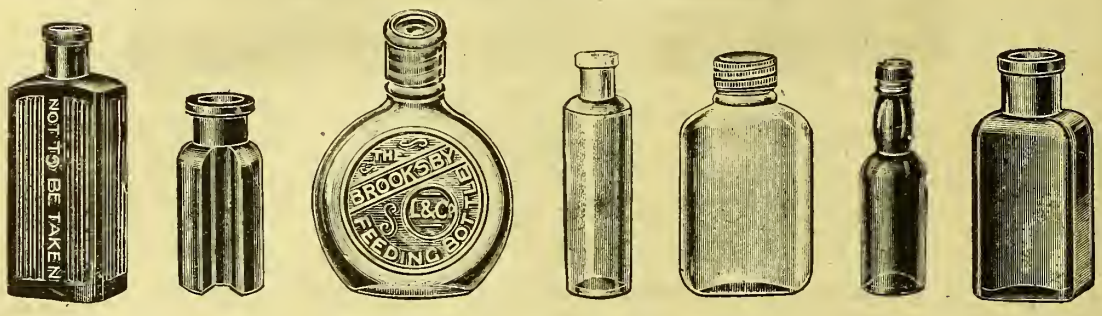

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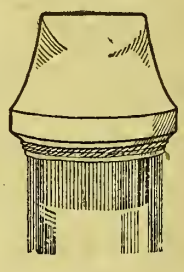

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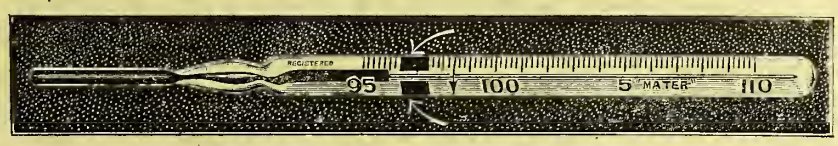

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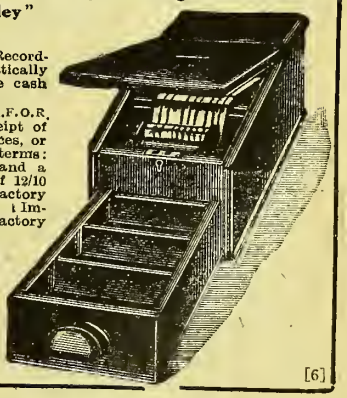

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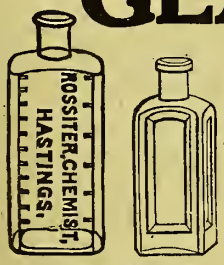

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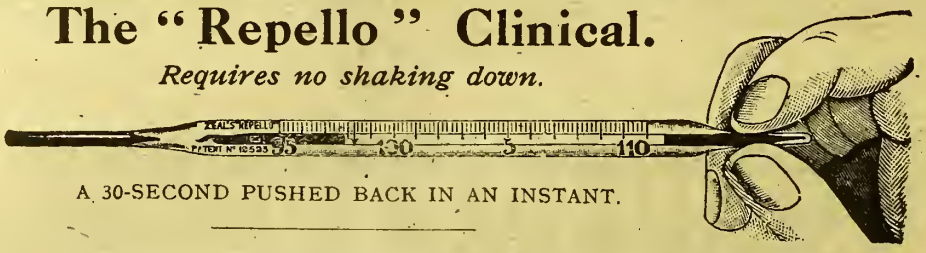

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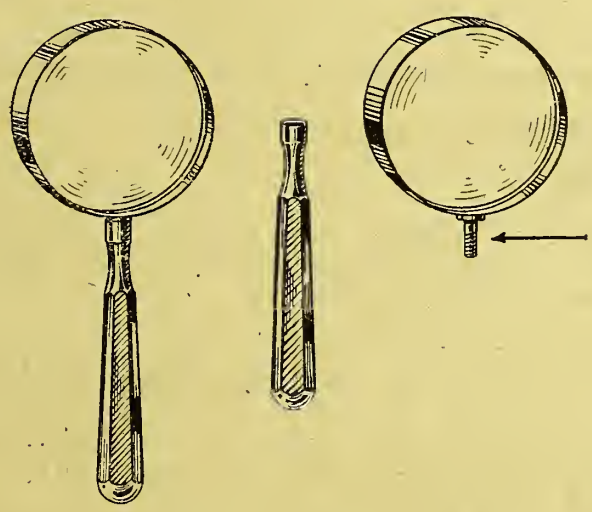

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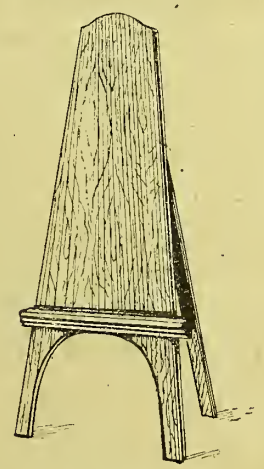

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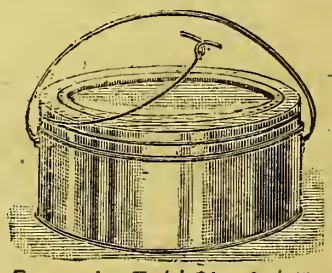

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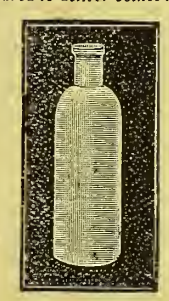

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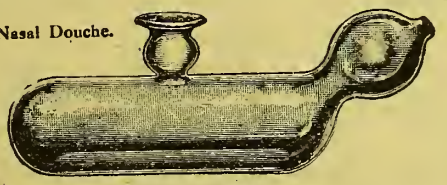

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It Checks Colds and Relieves Sprains and Bruises.

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST. LONDON, E.C.4.

JANUARY 15, 1921

This Supplement is inserted in every copy of The Chemist & Druggist

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that, in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case

ADDRESSED WRAPPERS STAMPED ONE PENNY

must be sent. Loose stamps will not be accepted

EARLIER CLOSING FOR PRESS.

Will advertisers please note that until further notice it will be necessary that Advertisements intended for the Supplement must reach us not later than the FIRST POST THURSDAY MORNING.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, W.—Cash Retail Business, with Rexall and Kodak gencies; returns, present rate, £38 weekly; double-fronted shop, ell fitted and stocked; held on lease at a rental of £55, rising) £70; terms, £200 goodwill, and valuation of stock and fixtures, in all about £1,000.

2.—LONDON, S.W.—Good-class Dispensing and Light Retail usiness; in present hands many years; returns, 1920, £2,660: *t profit* 25%; single-fronted shop, well fitted in mahogany and lly stocked; convenient residence, held on lease; price about 1,800.

3.—SOUTH LONDON.—General Retail and Dispensing Business, ith Photographic Sundries; returns about £3,000 per annum; *t profit approximately* £750; double-fronted shop, well fitted d stocked; comfortable house; held on lease; terms, goodwill 500, plus the value of stock and fixtures.

4.—LONDON, W.—High-class Business, General Retail and Dispensing; returns £5,000 per annum; profits above the average; rge shop, fitted in the best mahogany and fully stocked; price 5,500, or valuation terms entertained.

5.—CHELSEA.—General Retail and Dispensing, capable of extension under the supervision of a principal; returns about £40 eekly, chiefly cash; lock-up shop; moderate rental; offer wanted.

6.—LONDON, S.W.—General Retail and Dispensing Business, iefly ready money; capital position in main thoroughfare; returns approach £4,000 per annum; *net profit about* £1,000; rther details on application.

7.—LONDON, N.—General Retail and Photographic; returns, esent rate, £2,300; *net profit* £600; single-fronted shop; comrtable house; rent £60 18s.; held on lease; terms, goodwill 500 and valuation of stock and fixtures.

8.—GLOUCESTERSHIRE.—General Retail Business, with Agricultural and Photographic; very old established; returns last year £2,100; *net profit* £522; convenient house attached, private entrance, lawn, and garden; rent £41 10s.; held on lease; entirely unopposed; price £1,500.

9.—NORTH OF ENGLAND.—Middle-class Retail and Dispensing Business, entirely unopposed; returns average about £70 weekly at good prices; double-fronted shop, well fitted and stocked; vendor's own property; terms, valuation of stock and fixtures and sum for goodwill to be agreed, or lump-sum offer entertained; price of freehold, £750.

10.—YORKSHIRE.—Cash Retail Business; returns about £3,000 per annum, at good prices; lock-up shop; new lease will be granted at moderate rental; terms, goodwill £200, plus valuation of stock and fixtures.

11.—MIDLANDS.—General Retail and Dispensing Business, capable of extension under modern and energetic management; returns £3,000 per annum; *net profit about* £750; held on lease; moderate rental; price £2,500.

12.—POPULAR HEALTH RESORT.—Retail and Dispensing Business; all good middle-class trading; returns £2,500; opening for extended trade in the hands of a younger man; comfortable house; held on lease.

13.—MIDLANDS.—Wholesale and Retail Business, returning upwards of £10,000 per annum, with scope for unlimited extension; gross profit about 30%; commodious premises, used entirely for business purposes; rent £60; held on long lease; price to be arranged.

14.—MIDDLESBROUGH (near).—Ready-money Business; much neglected; returns about £2,500, at full prices; scope for development; Free Wine and Spirit Licences; commodious premises; vendor's own property; terms, valuation of stock and fixtures and £500 premium; price for freehold to be arranged.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3

Telephone: 1809 CENTRAL.

1. SURREY (within 30 miles of London).—For early disposal, through illness, a thorough, sound, good-class retail and dispensing business, easily worked, and showing steady increase. Returns nearly £2,700, good house on long lease, vacant possession offered; good market and residential town. Price £1,800, cash. Personally inspected and strongly recommended.

2. SOUTH MIDLANDS.—Unopposed good class light country retail business, pleasantly situated. Returns £2,100, increasing. Nearest opposition 4 miles. Good house and splendid garden. Low rent on lease. Price £1,500. Only cash buyers entertained.

3. SOUTH COAST.—Good class dispensing and light retail business; entirely under female. Returns £800. Fine main road position; plenty of scope for increase. Large lock-up shop, modern fittings, and good stock; long valuable lease. Price £200 and valuation.

STOCKTAKING.

We are now open to book dates for February and early in March.

The Association of Manufacturing Chemists

— LIMITED —

Head Offices—31 Kimberley House, 14-17 Holborn Viaduct, London, E.C. 1

'PHONE: CITY 6942.

We have the following Businesses for Disposal:

1.—WALTHAMSTOW.—Old-established Retail Dispensing and Photographic Business in busy main thoroughfare; returns £33 per week, low rent and long lease; well-fitted shop and excellent stock; good house accommodation; scope for great increase; offers invited.

2.—LIVERPOOL DISTRICT.—Good-class Retail and Dispensing Business, with Post Office attached, and Dental business let off; stock about £400; low rental; nicely fitted shop. Fullest particulars on application.

3.—YORKSHIRE.—Busy, thickly-populated town; low rental and good house accommodation; excellent stock and good fittings; offers invited for prompt sale.

STOCKTAKING.—We have a fully-qualified staff dealing with this most important work, and can guarantee prompt and satisfactory results, upon reasonable terms.

VALUATIONS for Purchase, Probate, Income Tax, Sale, Balance Sheet etc.

CHEMISTS' OWN INVENTORIES PRICED OUT.

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All Valuations have the personal attention of F. J. Brett, M.P.

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Telephone: 1934.

We have CASH BUYERS for all Classes and Sizes of Business from £500 to £5,000 and upwards.

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Recommended by The British Drug Houses, Ltd., Messrs. Megge Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wh sale Houses. Valuers to the Association of Manufacturing Chemi

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202 BIRMINGHAM ROAD, WALSALL,
And 26 LANGSIDE RD., NEWLANDS, GLASGOW

SALES BY AUCTION.

Re F. R. Snowden, trading as F. T. Sanders.

By Order of the Trustee under a deed of Assignment, removed convenience of Sale from 53 High Street, Sutton.

To CHEMISTS, DRUGGISTS, HAIRDRESSERS, and OTHE

FRYER, COOPER & CO. will Sell by Auction, at their ro 3 Redcross Street, E.C. 1, on Thursday, January 27th, 1 at one o'clock precisely, the high-class

STOCK OF A CHEMIST,

comprising a large assortment of Fancy Toilet, Shaving, other Soaps, Hair-, Tooth-, Shaving-, and Nail-brushes, a qua of superior Perfumes, Tooth Powders, and Pastes, Lanol Hand Mirrors, Hair Restorers, Sponges, Safety Razors, Medic Wines, Patent Medicines and Pills, Infants' Foods, Meat Esse Surgical Appliances, Oxygen Cylinders, Medicine Bottles, Pom Brilliantines, and Ointments, a large quantity of Drug Sundries, Photographic Materials, Essential Oils, Castor Olive Oils, Shop Rounds and contents, Mahogany Fittings, Cases, Wall Cases, Plate Glass, Shelving, Mirrors, and the Shop Sundries.

On view day prior to Sale. Catalogues may be had of P S. Booth, Esq., Accountant, The Association of Manufact Chemists, 31 Kimberley House, Holborn Viaduct, E.C. 4, a the Auctioneers, 3 Redcross Street, Fore Street, E.C. 1.

LIVERPOOL.

By order of whom it may concern.

GEO. N. DIXON & CO. will Sell by Auction at the Association Rooms, 14 Cook Street, Liverpool, on TUES January 18th, 1921, at 2.30 p.m. prompt,

ABOUT 42 TONS
AMMONIUM CARBONATE,
in lots to suit purchasers.

The whole may be seen at the Warehouse, Chaloner Liverpool, or samples may be obtained from the Auctioneer For further particulars and orders to view apply t Auctioneers, 41 Castle Street, Liverpool. Telephone 3853 Telegrams "Tenacity."

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

EASTERN COUNTIES (leading town).—High-class Homœopathic Dispensing Business, having an important connection for the sale of Surgical Appliances; been in present owner's control for 50 years; now wishes to retire; lock-up shop, close to main thoroughfare; moderate rent; excellent, up-to-date stock; owner desires to see the business continued under capable management, and will accept nominal sum from suitable buyer. Apply 6/53, Office of this Paper.

LANCASHIRE.—Small Drug Store in thickly-populated working-class district; yearly turnover £900; scope for great increase; ill-health disposal; price for stock, fittings, goodwill £625; bankers' reference; stamp. Apply "P. B." (245/38), Office of this Paper.

LIVERPOOL.—An old-established Pharmacy for disposal; turnover over £4,000 a year. Particulars on application to R. Lamner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

LONDON, S.W.—Old-established; thickly populated neighbourhood; main 'bus route; rent £65; house, let off, covers rent and rates; excellent lease, over 18 years to run; turnover for 1920 £2,550, under manager; well fitted and stocked; price for quick sale, £1,650. Apply 247/8, Office of this Paper.

NEWCASTLE-ON-TYNE.—Good-class Retail Dispensing Business for Sale; returns exceed £2,200; gross profits £800; well-fitted double-fronted shop; large house, good cellar; property at pre-war price; business small goodwill and valuation; capital required about £2,800, or lease might be arranged, but buyers of property preference. Apply 246/9, Office of this Paper.

SCOTLAND.—Good-class Family Retail and Dispensing Country Business; lock-up shop; returns about £80 per week; nicely fitted and excellent stock; price £2,500. Apply 248/5, Office of this Paper.

YORKSHIRE (large city in West Riding).—For early disposal, through illness, Drug Store, house, and shop; low rental; situated busy main tram route; excellent opening for qualified man; price, including stock and fixtures, £350. Apply 36/58, Office of this Paper.

CHEMIST Business; no opposition; suit unqualified; stock and fixtures at valuation; illness cause of leaving; convenient house attached; rent £25 per year; rates easy. Apply 245/30, Office of this Paper.

FOR Sale, old-established Business of Disinfectant Manufacturers, City Office and Freehold Factory; easily managed; present proprietor retiring after 21 years; capital required £4,000. Apply P.C.B. 50/25, Office of this Paper.

GENUINE old-established, high-class city Business; West of England; excellent profits; for quick transfer as a genuine going concern; £2,300; good reasons for disposal; no agents; full particulars in return for bankers' or other satisfactory references. Apply 247/28, Office of this Paper.

BUSINESSES WANTED.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

HANTS, DORSET, DEVON.—Urgent.—Pharmacist is desirous of purchasing a Business in the above counties; takings not less than £1,500 per annum; neglected Business or Drug Stores not objected to if capable of increase; would also consider a partnership; cash available, and bankers' reference given; replies treated confidentially. "Chemist," 5 Marine Terrace, Weymouth.

A SMALL Drug Store wanted (at once), in Northumberland or Durham preferred, but not essential. Full particulars to H. E. P., 32 Petteril Street, Carlisle.

CHEMIST desires to purchase a small Business (for cash); neglected one not objected to if scope for increase; living accommodation essential; replies treated confidentially. "Cortex" (247/16), Office of this Paper.

GOOD sound Business wanted for cash, about £3,000, with living accommodation; South for preference. Smith, 24 Leamington Road Villas, Westbourne Park, W.11.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

AUSTRALIA.—London Manager of Australian merchant firm shortly proceeding to Sydney Branch Office, is desirous of introducing new lines, and will execute any commissions for manufacturers interested in this market. Apply 27/130, Office of this Paper.

SCOTLAND.

ADVERTISER, who represents several firms with world-wide reputation for excellency, is free to accept additional Agency for really good line; accounts are open with practically all the best Wholesale and Retail Chemists, Stores, etc., in Scotland; the whole country is worked thoroughly by well-organised selling staff; headquarters, Glasgow; stock can be carried if desired; advertiser will be in London, etc., from 25th to 28th January, and will be pleased to have interviews with those interested. Address "Ardencaple," William Porteous & Co., Advertising Agents, Glasgow.

ADVERTISER, with premises in Birmingham, desires Agency for Photographic supplies or Proprietary lines sold by Chemists, etc.; advertiser can act as representative for Midlands, and can hold stocks to supply small buyers; commission terms. "E.," c/o 38 Potters Hill, Aston, Birmingham.

AGENCY WANTED.—Manufacturer, with warehouse and first-class connection London and suburbs, is desirous of an extra good line. Full particulars to "Energy" (P.C.B. 52/16), Office of this Paper.

AGENT required for Straits Settlements and Southern China as sole representative for English manufacturers of Drugs, Chemicals, Hospital Dressings, etc.; previous experience in such lines essential. Apply 36/56, Office of this Paper.

AGENT required to sell on commission Tablets and Fine Chemicals to Chemists and Wholesalers; districts not covered, Scotland, Southern and Eastern England, and Home Counties; give full particulars as to other lines offered and actual district covered; excellent side-line for live representative. Apply 29/32P, Office of this Paper.

APPLICATIONS are invited from houses with established connections for sole representation in Great Britain of an important Dutch concern specialising in the manufacture of all Synthetic Perfumery Products. Apply 33/30R, Office of this Paper.

POWDER PUFFS.—Agents, with sound high-class connection, provincial districts and London suburbs. A. Granville Martin & Co., 4 Paternoster Square, London, E.C.1.

WANTED, Sole Agency for first-class house Compressed Tablets and Medicated Lozenges, etc.; established connection amongst London Chemists; commission only. Apply P.C.B. 52/2, Office of this Paper.

WANTED, Manufacturers' Agent, well connected in Wholesale and Retail Grocery and Chemist trades, and employing a staff of Travellers covering whole or greater part of London and the Home Counties; plenty of scope and excellent terms to suitable applicant. Write 21/17L, Office of this Paper.

FOR SALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

PLAIN Lint, 100 × lb., 3s. 10d. lb.; 3 lb. Bismuth. Carb., 45s. Forryan, 75 Hinckley Road, Leicester.

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SHOP to Let; good position, with exceptional opening for Chemist. Burston, 5 The Parade, Sundridge Park, Bromley, Kent.

APPRENTICESHIPS.

APPRENTICE.—Well-educated youth, slight experience abroad, wishes to be apprenticed to a good Pharmacy; small salary; South Coast or London preferably. C. Ross, 63-64 Lancaster Gate, London, W.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

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ASHHURST MINISTRY OF PENSIONS HOSPITAL, Littlemore, near Oxford.—Dispenser (Pharmaceutical qualification) required for Institutional work at once; salary £250 per annum. Applications, together with copies of testimonials and record of military service, to be addressed to the Medical Superintendent.

BOURNEMOUTH.—Wanted, at the end of the month, a qualified Dispenser of good practical experience; no panel work. Apply, stating salary required and particulars of experience, to J. K. Matterson, The Arcade, Bournemouth.

LIVERPOOL.—Gentlemanly Assistant for high-class Dispensing business; age, salary, and usual particulars. Apply G. H. Cole, Blundellsands.

LONDON.—Lady, Minor, required (early February) for Dispensing and Counter duty; previous Retail experience not essential; state age, details of experience, when disengaged, and salary required (outdoors). Apply 249/1, Office of this Paper.

LONDON, E.—Qualified Assistant, about 30, for N.H.I. and General Counter work; hours 8.30 to 8; alternate Sunday duty; salary £5. Apply to Tate, Francis & Co., 37 Roman Road, Bow, E. 3.

LONDON, N.W. Junior Assistant (male), outdoors, required for good-class Retail and Dispensing business. Apply by letter, giving full particulars as to age, experience, references, and salary required, to C. B., 20 New Street, Dorset Square, N.W. 1.

LONDON, W.—Competent Assistant required; Dispensing and Counter; one accustomed to West End preferred. Write or call, Rouse & Co., 12 Wigmore Street, London, W.

NORTH OF ENGLAND (Outdoors).—A trustworthy, energetic Assistant wanted for business in agricultural district; knowledge of Photography and Optics essential. Particulars as to age, references, salary required, etc., photo if possible. Apply 246/21, Office of this Paper.

SKEGNESS.—Wanted, qualified Assistant; able to take entire charge; good Salesman, Window-dresser, and knowledge of Photographics essential; splendid opportunity for a reliable man; applications unanswered in four days, please consider vacancy filled. Full particulars, with references and salary required, to Robinson, 14 Loughborough Road, West Bridgford, Nottingham.

SOUTH KENSINGTON.—Wanted (at once), Junior or Improver for Dispensing and Front Counters; evening and Sunday duty one in three. Apply, stating age, reference, and salary required (outdoors), "Statim" (278/19), Office of this Paper.

WEST OF ENGLAND.—Assistant (Hall qualification); 25 to 35; quick Dispenser and Window-dresser; permanency. Apply, with full particulars of age, salary required, photo, and experience, 248/10, Office of this Paper.

ASSISTANT required; unqualified; outdoors; must have good experience Counter and Dispensing. Apply, giving full particulars, to T. K. Black, 142 High Street, St. John's Wood, N.W. 8.

ASSISTANT, outdoors, London, S.W., smart, single, for up-to-date business; must know Photography and be a good and experienced Window-dresser. Reply, giving age, experience, references, salary required, etc., to 248/36, Office of this Paper.

EXPERIENCED Dispenser wanted immediately. Apply Dr. K., 23 High Street, Stepney, E. 1.

JUNIOR Assistant, unqualified (male), immediately; accustomed to brisk Counter trade and N.H.I. Dispensing. Apply, personally or by letter, giving full particulars and salary required (outdoors), to J. Patterson, 52 Ilford Lane, Ilford.

JUNIOR Assistant required for Dispensing and good-class country business; kindly state age, experience, and salary (indoors). D. Lewis, Pharmacist, Tisbury, Wilts.

QUALIFIED; London, S.W. (outdoors); for quick middle-class cash trade. In reply please state age, references, salary required, enclosing photo (if from provinces), which will be returned, to 248/360, Office of this Paper.

UNQUALIFIED Junior male Assistant for good-class countr business; outdoors; short hours. Apply, giving experienc and state salary required, N. G. Beck, Burgess Hill, Sussex.

UNQUALIFIED Junior male Assistant, preferably 26 to 30 for first-class Dispensing and Light Retail; knowledg Photography essential; hours 8.30 to 8, Thursdays 1, Saturday 9; 2½ hours alternate Sunday; please give references and salar required (outdoors). McKinnell, Chemist, Northampton.

WANTED, qualified lady Assistant, chiefly for N.H.I.; Londo N.W. district, working-class neighbourhood; knowledge Counter work not essential. Apply, stating age, salary require etc., to 246/12, Office of this Paper.

WANTED, a Junior Assistant or Improver who is desirous experience in a high-class West-End Dispensing busines Please give full details of experience, age, and salary expected, 246/22, Office of this Paper.

WANTED (immediately), experienced lady Dispenser as Locu for few weeks (possibly permanently); Bookkeeping, Pr vate, and Panel. Apply, stating salary (outdoors), enclosir references and copies of testimonials, to Drs. Wylie & Russel 217 Iffley Road, Oxford.

WANTED, about February 1st, for small town near Derb competent and trustworthy Assistant; must be careful a quick dispenser, good Salesman, and with knowledge of Phot graphy; unqualified, with good reference. Particulars of expe ence, etc., in first letter to 247/27, Office of this Paper.

WANTED, improver; outdoors; good Dispenser; state ag salary, experience. Hopwoods Ltd., 345 Scotland Roa Liverpool.

YOUNG Junior required for quick Retail and Dispensing bu ness; short hours; no Sunday duty; outdoors; state wag The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walwo Road, S.E.

WHOLESALE.

The Advertiser may, if preferred, have replies addressed to Office, and forwarded on payment of an additional charge of 1/

COUNTER Specialities and Packed Good Manager requir must be a good organiser and capable of bringing out styles. Address, in confidence, stating age, experience, and sal required, Secretary, Southall Bros. & Barclay, Ltd., Lower Pric Birmingham.

DRY Room Counter Hand wanted. State age, experience, full particulars, to Clark, Nettleship & Bailey, Ltd., Wh sale Druggists, 43 Belvoir Street, Leicester.

FIRST-CLASS Representative wanted for Scotland, amo Chemists and Druggists and Stores, for London Toilet S and Perfumery house; good live connection already enjoyed, scope for considerable extension; applicants should state full ticulars of experience; terms, weekly guarantee to be merged commission basis. Reply 48/29B, Office of this Paper.

MANUFACTURERS of well-known Food Products and Bever require Representatives, whole- or part-time, with con tion in the Grocery and Chemists' trades in the following c ties: Derby, Nottingham, Leicester, Rutland, Northampton, H ingdon, Cambridge, Bedford, Hertford, Buckingham, Oxford, Sussex; liberal terms of commission and plenty of scope off to first-class applicants. Write, stating clearly ground at pre covered and give references, to 21/170, Office of this Paper.

PHARMACIST.—Old-established London firm of Chemical M facturers have a vacancy for a young, well educated Pha cist. The position calls for good business training and ab and some experience of commercial correspondence. Pre Wholesale experience not essential; permanent scope for sui candidate; applications cannot be considered unless accompa by full particulars of age, previous experience, salary requ etc. Apply 48/28B, Office of this Paper.

REPRESENTATIVE wanted for the East and South Coast an old-established firm of Soap Makers and Perfu Applicants must have a live connection on above ground a thorough knowledge of the trade. Apply, giving full partic of past experience and salary required, to "F. M." (48/2 Office of this Paper.

REPRESENTATIVE for Scotland required, residing in Gla preferred; Wholesale Druggists' Sundries and Packed G good opportunity for a steady, pushing, young man. Appl 246/1, Office of this Paper.

REPRESENTATIVE wanted, on commission, by old-establ firm, to carry Druggists' Sundries; Glasgow and three radius. Apply 43/22W, Office of this Paper.

LABORATORY.—Qualified man required to take charge of manufacturing Pharmaceutical Laboratory for an old-established London firm of Wholesale and Export Druggists; practical experience and a good organiser essential; state age, experience, and salary required. Apply 248/17, Office of this Paper.

REPRESENTATIVES wanted, working on commission, to handle a small side-line. Give full particulars as to ground covered, other commissions handled, and terms, to 246/5, Office of this Paper.

REPRESENTATIVES required, with first-class connection among Chemists, Stores, and Hairdressers, to carry Toilet lines (packed and bulk), Drugs, etc., on commission basis; territory, London (except W. and S.W.) and provinces. Leonards, 42 Albion House, 59 New Oxford Street, W.C. 1.

SMART Salesman with good connection for high-class Toilet Specialities. Spa Toilet Co., Leamington.

SURGICAL Instrument Business in the provinces; experienced Assistant. Address, stating duties accustomed to, age, and wages expected, 248/28, Office of this Paper.

SURGICAL INSTRUMENTS.—A Manager required for this department by a leading provincial firm; a good knowledge of Orthopædic and general fitting necessary; one with London experience preferred. Applications, stating experience, age, and salary required, to 278/30, Office of this Paper.

TRAVELLERS wanted by Wholesale Manufacturers of Toilet Articles and Druggists' Sundries for the Eastern Counties, including part Midlands, and for South-Western Counties, including Wales. Only good, competent men need apply, fully, stating previous experience, to 36/57, Office of this Paper.

WANTED, energetic Salesman to push proprietary article in general demand; one able to invest capital preferred. Apply 279/27, Office of this Paper.

WANTED, Representatives (commission) and Distributing Agents; most attractive lines, well introduced; big profits to Chemists; state lines carried and ground. Apply 1/22A, Office of this Paper.

WANTED, a Traveller, calling upon Chemists and Doctors in the West of England and Wales, to take up a side-line in Medical Printing on commission. Apply, giving full particulars, P.C.B. 52/11, Office of this Paper.

WANTED, by a West-End firm of Surgical Dressing Makers, a capable, adaptable woman, age about 30, with business training, used to Stockkeeping and supervision of staff of girls, to undertake management; exceptional opening for right person. Apply 246/36, Office of this Paper.

20 PER CENT Side-line; first and repeat orders; territories open: London, Southern and Eastern Counties; N. Wales, S. Lancs, Cheshire, N. Staffs, and Salop; proved Dry Cleaner; sell 3d. and 6d.; perfect results on the fashionable velour and felt; original show-matter; only smart men, with "live" personal connection, considered. Apply 248/13, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

INDIA.—Wanted, young Assistant, accustomed to good-class Retail Dispensing and Photographic business; four years' agreement; passage paid out and home; good references essential; salary, rupees 350, 375, 400, 425 per month. Apply, with full particulars, to "E H./B.S." (9/17E), Office of this Paper.

INDIA.—Qualified Assistant required for India; good opportunity for a reliable man; commencing £420 a year; passage out and home; four years' agreement. Apply "E. H." (9/16E), Office of this Paper.

SINGAPORE.—Qualified Assistant required; unmarried; four years' agreement; passage paid out and home; salary first year £400, second £450, third £500, fourth £550; applicant must hold first-class credentials; preference given to one possessing experience in Optics. Apply 48/23B, Office of this Paper.

SOUTH AFRICA.—Junior qualified Assistants open to accept Retail situations in this healthy and progressive colony should write to Lennon Limited, 12/14 Lafone Street, London, S.E. 1.

STRAITS SETTLEMENTS.—Required (immediately), Assistant, young, unmarried, with Chemist's and Optician's qualifications; four years' agreement; passage paid out and home; salary first year £560, second year £630, third and fourth years £700; six months' leave of absence on full pay at end of agreement if same is renewed. Apply "W. C. H.," c/o Burgoyne Burbidges & Co., Ltd., East Ham, E. 6.

WHOLESALE, SOUTH AFRICA.—A smart, pushing Assistant required for Wet Department; single; age not less than 23; passage paid out; progressive salary, under three years' agreement, commencing at £20 month. Apply, by letter only, to Lennon, 12/14 Lafone Street, London, S.E. 1.

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A.A.A.—QUALIFIED; 27; Assistant or Manager; accustomed to high-class trade and Dispensing; immediately. Apply 247/35, Office of this Paper.

A.—ASSISTANT requires berth; unqualified; six years' good-class Dispensing and Counter experience; Yorkshire preferred, but not essential. Apply 247/15, Office of this Paper.

A COMPETENT Pharmacist; single; 32; disengaged shortly; any capacity or locality; good experience and references; moderate remuneration. "C.," Rutland Lodge, Star Street, Ryde, I.W.

A M.P.S.; experienced; gentlemanly; successful; married; no family; small salary if house, moderate otherwise. "The Willows," Talke, Staffordshire.

A QUALIFIED Chemist as Manager or Assistant; 20 years' experience; permanency preferred; moderate salary. Davies, Ty Cwrdd, Llwynhendy, Llanelly.

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A SMART, qualified man, 12 years' excellent experience, seeks position of responsibility; energetic business builder; please state terms. Apply 246/8, Office of this Paper.

A THOROUGHLY capable, qualified man, 28, tall, married, 13 years' experience, requires situation as Manager or Assistant; town or country; highest references. Full particulars, please, to "Energy" (247/13), Office of this Paper.

A £4 5s. OFFER.—Qualified (26); North preferred; Manager, Assistant; business builder; experienced, trustworthy, progressive; middle-class; Salesmanship, Dispensing, Photography. 248/16, Office of this Paper.

AS Chemist; qualified; age 21; single; educated Sunderland Technical College and Westminster College; Minor qualifications Pharmaceutical Society. Apply M.L. 89070, Office of this Paper.

AS Chemist's Assistant (25); knowledge of French; served 3 years' apprenticeship; 15 months at Bath College of Pharmacy. M.L. 16451, Office of this Paper.

AS Manager; qualified, experienced, reliable; strictly sober habits; or Locum, day or week; disengaged. 39 Church Avenue, East Sheen.

ASSISTANT or Dispenser, 30, married, desires situation in Retail or Wholesale. Apply M.L. 51039, Office of this Paper.

ASSISTANT, with varied experience in all branches Dispensing, Counter, etc., desires employment; married; disengaged. "V.," 3 Rectory Square, Stepney, E. 1.

ASSISTANT; 25; deferred one subject, Mat. Med.; first-class Dispensing and Retail experience. Woolwich, 5 Lully Street, Liverpool.

ASSISTANT, 29, experienced in Retail, desires post in Retail or Wholesale. Apply 278/27, Office of this Paper.

ASSISTANT (male, deferred one subject); 26; Midlands preferred, not essential; good references. Dams, 70 Gough Road, Edgbaston, Birmingham.

ASSISTANT, unqualified, seeks post; Retail or Wholesale; West Riding preferred; time off for evening classes; state salary, etc. Apply 245/35, Office of this Paper.

ASSISTANT; unqualified; careful and accurate Dispenser, smart Salesman, good Window-dresser; excellent references; capable of taking charge; Manchester or district preferred, but not essential. Write terms, salary, etc., to 246/3, Office of this Paper.

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ASSISTANT, unqualified (24), married; 4 years' experience as Dispenser and Assistant. M.L. 42289, Office of this Paper.

ASSISTANT (32); smart Counter, Dispensing, and Stock; excellent references; 15 years' experience. A. B., 68 Leonard Street, E.C. 2.

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ASSISTANT (deferred one subject); 21; abstainer; London or South preferred, not essential; good references. Terms to 248/9, Office of this Paper.

ASSISTANT, middle-age; Dispensing, Mixed; manage Drug Stores; small salary. Finlay, 18 Upper Market Street, Haverfordwest.

ASSISTANT, Manager, Locum; disengaged; reliable; competent; obliging. "Chemicus," 3 Godfrey Road, Newport, Mon.

ASSISTANT, unqualified, middle-age, single, disengaged; first-class West-End Dispensing and Retail experience; excellent references. H. Capon, 172 Warwick Street, Ebury Bridge, S.W.

ASSISTANT, qualified; abroad; 39; 21 years' experience; abstainer; two years in present position; Portsmouth, Guildford. Apply 247/9, Office of this Paper.

BRADFORD or Leeds.—Qualified Assistant (25) desires progressive permanency; excellent references; educated; experienced Dispensing, Counter, Photography; disengaged February. 248/39, Office of this Paper.

BRANCH Manager or Locum; long experience; active; Kent, Essex, or Sussex. 248/4, Office of this Paper.

DEMOBILISED Officer desires position as Chemist; 40; married; educated Manchester University; colloquial French and Welsh; knowledge company law and finance. Apply M.L. 97877, Office of this Paper.

DEVON or Cornwall preferred.—Progressive permanency desired by keen young ex-Service man; qualified; energetic, trustworthy. State terms to 248/19, Office of this Paper.

DISENGAGED; accustomed all classes business, best Dispensing or Insurance; unqualified; 42. Fletcher, 11 Kingsdown Road, Upper Holloway, N. 19.

DISPENSER in Hospital or Retail Pharmacy; 21; served three years' apprenticeship. Apply M.L. 7/164, Office of this Paper.

DISPENSER for Doctor or Institution, served for duration of war as civilian, requires re-engagement; good military and civilian testimonials. Address "S.," Agha, 14 Blatchington Road, Seaford, Sussex.

DISPENSER (27), married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

DISPENSER (Hall), lady, experienced, references, seeks post. Hall, 26 Monmouth Road, Dorchester.

DISPENSER; Wholesale and Retail experience. Whitehead, 3 Bevan Street, Islington, N.

DISPENSER, young lady, Hall certificate, desires post; would undertake other duties. Johnson, 79 Streathbourne Road, Balham, S.W.

DISPENSING experience required by young lady (21), who wishes a post as Improver or Junior in good-class Dispensing Business; referred in one subject at last Minor examination. Gale, Musgrave Road, Gateshead.

EVENINGS and Saturdays situation required; young, qualified man studying Optics; good experience; South Thames preferred. "C. B.," 44 Gresham Road, Brixton.

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EX-SERVICE man, Captain and Quartermaster, desires situation as Dispenser; 45; married; 16 years' experience; 26 years' Army service. Apply M.L. 100247, Office of this Paper.

EXPERIENCED, unqualified Assistant; outdoors; Window-dresser, Photographic, high-class Dispensing, good Counter-man; West-End 4½ years; disengaged; permanency; married. "H. R.," 13 Marlborough Road, Richmond, Surrey.

EXPERIENCED lady Dispenser requires post with Doctor, Institute, or Chemist. Apply 278/26, Office of this Paper.

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JUNIOR, 19, tall, five years' experience in Dispensing, Photography, Optics, and general shop work, seeks situation in good Dispensing business; permanency; disengaged; undeniable references. Williams, Aber Bridge, Carnarvon.

JUNIOR disengaged; age 20; good-class experience. Neal, 28 High Street, Tonbridge.

JUNIOR or Improver; 22; start immediately. "J. S.," 2 Prospect Cottages, Mill Lane, Frindsbury, Kent.

JUNIOR or Improver; age 19; tall; good experience; disengaged. Apply D. Davies, c/o D. George, Pharmacist, Pentre Glam.

JUNIOR, lady (21), four years' experience, requires outdoor post in high-class business. "Spero," 153 Maybury Road Woking.

JUNIOR Assistant requires situation; London preferred; three years' apprenticeship; reading for Minor. "Miss D.," 3 Steele Road, Harlesden.

LADY Assistant (22); three years' Dispensing and Counter experience; passed Part I. Minor examination; disengaged Bond, Preswylfa, Brecon.

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LADY Student requires morning and evening post; Doctor or Chemist; two years' Dispensing experience. Jones, Ingrai House, Stockwell.

LOCUM, qualified, for short periods or help in stocktaking; good references; disengaged from January 15th. Shufflebotham M.P.S., Dee Fords Avenue, Chester.

LONDON—Qualified Manager seeks permanency; capable Prescriber; energetic and trustworthy; expert in Photography; not afraid of work; a business builder; excellent reference "Salol," 42b Grand Parade, Harringay, N. 4.

M.P.S., capable, experienced, as Branch Manager, Locum or otherwise; energetic; satisfactory reference "Metol" (246/11), Office of this Paper.

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MANCHESTER, STOCKPORT, or DISTRICT.—Young, qualified gentleman desires position as Assistant, Manager, or Locum; energetio and trustworthy. "Radium" (246/14), Office of this Paper.

MR. HORTON, Pharmacist, Chichester, wishes to recommend as a Junior his Apprentice, now completing time.

MR. REESON, Chemist, Erith, can recommend old Apprentice and Assistant, aged 26, tall; experienced in brisk Retail Dispensing and Photographio. Apply "F. R.," o/o W. Reeson, Chemist, Erith, S.E.

MR. J. WEARING, Pharmacist, Woking, highly recommends a qualified man who is also a qualified Optician; proved to be reliable and trustworthy; capable of taking entire charge. Any inquiries addressed to above answered with pleasure. (164 Woking Tel. No.)

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PERMANENCY, temporary, or Looum; first-class Counter and Dispensing experience; capable; disengaged. Harries, 24 Kinoraig Street, Roath, Cardiff.

POTTERIES or North Staffs.—Qualified, young, energetic; Assistant or Mnnager; terms reasonable; would work on commission or profit-sharing basis, with or without view to Partnership. 247/14, Office of this Paper.

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QUALIFIED; 26; single; good Dispensing, Counter, and Photographic experience; Manager or Assistant; disengaged; Sheffield or district preferred. Apply 245/39, Office of this Paper.

QUALIFIED (27); excellent references and experience; disengaged shortly; Bristol district preferred. Apply 238/36, Office of this Paper.

QUALIFIED, aged 27, good references, requires situation; tuition in Optics considered in salary; London preferred. Treglown, Marazion, Cornwall.

QUALIFIED; 28; temporary or permanent; experienced; disengaged; London or district. H. B. Evans, 16 Richmond Terrace, Clapham, S.W. 8.

QUALIFIED, single (27); Dispensing, Counter, Photographic; excellent references; abstainer. O. Jay, Station Road, Sudbury, Suffolk.

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RELIEF ENGAGEMENT.—Experienced Chemist, at present out of business, is open for a few relief engagements between now and Easter. "Pharmacist," 47 Brown Edge, Buxton.

SENIOR Assistant, unqualified; all-round experience; permanency or Locum. "Statim," 72 Tremadoo Road, Clapham, S.W.

SUCCESSFUL Manager, 34, qualified, excellent London and provincial experience, nine years present engagement, desires change; permanency wanted. Apply "Statim" (246/18), Office of this Paper.

UNQUALIFIED man requires re-engagement; would manage for Pharmacist partly retiring, Drug Store, or Dispense for Doctor. Apply 246/15, Office of this Paper.

WANTED, to place young lady (Hall qualified) with good-class Dispensing Chemist, for experience, with or without premium, according to boarding arrangements. 248/2, Office of this Paper.

WOMAN Pharmaoist seeks post; Square trained; experienced in Retail Pharmacy; good testimonials and references. Row, Braintree. Temporary address at 12 Lyndhurst Road, Hampstead.

YOUTH, tall, gentlemanly appearance, 17, Senior exams., seeks position in a high-class Pharmacy; good experience more essential than salary. "H. N.," 31 Alvington Crescent, Dalston, E. 8.

YOUNG MAN (30) wants work as Assistant or Porter, Wholesale or Retail; £3 per week; 15 years' experience. F. C., 341a Sherrard Road, Manor Park, E. 12.

YOUNG lady Dispenser (Hall) seeks situation with Doctor or Chemist; 4½ years with Chemist. Tedham, 137 Howarth Road, Plumstead.

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ADVERTISER requires position; 11 years' trade experience; West-End eight years; Stockkeeper, Drugs, Patents, Toilets, Surgicals, and Sundries; excellent reference; age 34. Address "J. M.," 27 Robertson Street, London, S.W. 8.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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DENTAL.

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